

**Committee for Risk Assessment (RAC)**  
**Committee for Socio-economic Analysis (SEAC)**

**Appendix to Background document**

to the Opinion on the Annex XV dossier proposing restrictions on

**Substances in tattoo inks and permanent make up**

**ECHA/RAC/ RES-O-0000001412-86-240/F**

**ECHA/SEAC/[reference code to be added after the adoption of the SEAC opinion)]**

EC Number    CAS Number

n/a            n/a

**Draft**

**29 November 2018**

APPENDIX TO BACKGROUND DOCUMENT TO RAC AND SEAC OPINIONS ON  
SUBSTANCES IN TATTOO INKS AND PERMANENT MAKE UP

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Supplementary Table C: Substances on Annex II of the Cosmetic Products Regulation<sup>1</sup>

| Substance Name                    | EC #      | CAS #      | Substance Name   | EC #      | CAS #      | R<br>e<br>g<br>2 | T<br>b<br>l<br>1<br>3 | T<br>b<br>l<br>2<br>3 | T<br>b<br>l<br>3<br>3 | A-<br>II<br># <sup>4</sup> | S<br>S<br>5 | C<br>M<br>6 | R<br>7 | I<br>C<br>D<br>8 | T<br>I<br>9 |
|-----------------------------------|-----------|------------|--|-----------|------------|------------------|-----------------------|-----------------------|-----------------------|----------------------------|-------------|-------------|--------|------------------|-------------|
|                                   |           |            | N-(5-Chlorobenzoxazol-2-yl)acetamide   |           | 35783-57-4 |                  |                       |                       |                       | 1                          |             |             |        |                  |             |
| (2-acetoxyethyl)trimethylammonium | 200-128-9 | 51-84-3    | (2-Acetoxyethyl)trimethylammonium hydroxide (Acetylcholine) and its salts                  | 200-128-9 | 51-84-3    |                  |                       |                       |                       | 2                          |             |             |        |                  |             |
| Deanol aceglumate                 | 222-085-5 | 3342-61-8  | Deanol aceglumate (INN)  | 222-085-5 | 3342-61-8  |                  |                       |                       |                       | 3                          |             |             |        |                  |             |
| Spiroinolactone                   | 200-133-6 | 52-01-7    | Spiroinolactone (INN)  | 200-133-6 | 52-01-7    |                  |                       |                       |                       | 4                          |             |             |        |                  |             |
| Tiratricol                        | 200-086-1 | 51-24-1    | [4-(4-Hydroxy-3-iodophenoxy)-3,5-diiodophenyl]acetic acid (Tiratricol (INN)) and its salts | 200-086-1 | 51-24-1    |                  |                       |                       |                       | 5                          |             |             |        |                  |             |
| Methotrexate                      | 200-413-8 | 59-05-2    | Methotrexate (INN)   | 200-413-8 | 59-05-2    |                  |                       |                       |                       | 6                          |             |             |        |                  |             |
| Aminocaproic acid                 | 200-469-3 | 60-32-2    | Aminocaproic acid (INN) and its salts  | 200-469-3 | 60-32-2    |                  |                       |                       |                       | 7                          |             |             |        |                  |             |
| Cinchophen                        | 205-067-1 | 132-60-5   | Cinchophen (INN), its salts, derivatives and salts of these derivatives                    | 205-067-1 | 132-60-5   |                  |                       |                       |                       | 8                          |             |             |        |                  |             |
| Trichloroacetic acid              | 200-927-2 | 76-03-9    | Thyropropic acid (INN) and its salts   |           | 51-26-3    |                  |                       |                       |                       | 9                          |             |             |        |                  |             |
| Aconitum napellus, ext.           | 283-252-6 | 84603-50-9 | Trichloroacetic acid   | 200-927-2 | 76-03-9    | y                |                       |                       |                       | 10                         |             |             |        | y                |             |
| Aconitine                         | 206-121-7 | 302-27-2   | Aconitum napellus L. (leaves, roots and galenical preparations)                            | 283-252-6 | 84603-50-9 |                  |                       |                       |                       | 11                         |             |             |        |                  |             |
| Adonis vernalis, ext.             | 283-458-6 | 84649-73-0 | Aconitine (principal alkaloid of Aconitum napellus L.) and its salts                       | 206-121-7 | 302-27-2   |                  |                       |                       |                       | 12                         |             |             |        |                  |             |
| Epinephrine                       | 200-098-7 | 51-43-4    | Adonis vernalis L. and its preparations  | 283-458-6 | 84649-73-0 |                  |                       |                       |                       | 13                         |             |             |        |                  |             |
|                                   |           |            | Epinephrine (INN)  | 200-098-7 | 51-43-4    |                  |                       |                       |                       | 14                         |             |             |        |                  |             |

<sup>1</sup> Extraction as of 12/08/2016 from Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

<sup>2</sup> Substances registered under REACH

<sup>3</sup> Substances on the Council of Europe ResAP(2008)1 tables (1, 2 and 3)

<sup>4</sup> Substance on Annex II of the EU Cosmetic Products Regulation (CPR)

<sup>5</sup> Substances with harmonised classification as skin sensitizers as per the CLP Regulation

<sup>6</sup> Substances with harmonised classification as carcinogenic or mutagenic as per the CLP Regulation

<sup>7</sup> Substances with harmonised classification as reprotoxic as per the CLP Regulation

<sup>8</sup> Substances with harmonised classification as skin corrosive or irritant or eye damaging or irritant as per the CLP Regulation

<sup>9</sup> Substances found in tattoo inks or PMU according to JRC report (JRC, 2015b)

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SUBSTANCES IN TATTOO INKS AND PERMANENT MAKE UP

|                            |           |            |  |            |            |   |  |  |  |  |  |  |  |  |  |  |  |  |    |
|----------------------------|-----------|------------|--|------------|------------|---|--|--|--|--|--|--|--|--|--|--|--|--|----|
| Rauwolfia serpentina, ext. | 290-234-1 | 90106-13-1 | Rauwolfia serpentina L., alkaloids and their salts   | 290-234-1  | 90106-13-1 |   |  |  |  |  |  |  |  |  |  |  |  |  | 15 |
|                            |           |            | Alkyne alcohols, their esters, ethers and salts  |            |            |   |  |  |  |  |  |  |  |  |  |  |  |  | 16 |
| Isoprenaline               | 231-687-7 | 7683-59-2  | Isoprenaline (INN)   | 231-687-7  | 7683-59-2  |   |  |  |  |  |  |  |  |  |  |  |  |  | 17 |
| Allyl isothiocyanate       | 200-309-2 | 57-06-7    | Allyl isothiocyanate   | 200-309-2  | 57-06-7    |   |  |  |  |  |  |  |  |  |  |  |  |  | 18 |
|                            |           |            | Alloclamide (INN) and its salts  |            | 5486-77-1  |   |  |  |  |  |  |  |  |  |  |  |  |  | 19 |
| Nalorphine                 | 200-546-1 | 62-67-9    | Nalorphine (INN), its salts and ethers   | 200-546-1  | 62-67-9    |   |  |  |  |  |  |  |  |  |  |  |  |  | 20 |
|                            |           |            | Sympathicomimetic amines acting on the central nervous system: any substance contained in the first list of medicaments which are subject to medical prescription and are referred to in resolution AP (69) 2 of the Council of Europe |            |            |   |  |  |  |  |  |  |  |  |  |  |  |  | 21 |
| Amphetamine                | 206-096-2 | 300-62-9   |  | 206-096-2  | 300-62-9   |   |  |  |  |  |  |  |  |  |  |  |  |  | 21 |
| Aniline                    | 200-539-3 | 62-53-3    | Aniline, its salts and its halogenated and sulphonated derivatives, Aniline  | 200-539-3, | 62-53-3    | y |  |  |  |  |  |  |  |  |  |  |  |  | 22 |
|                            |           |            | Betoxycaine (INN) and its salts  |            | 3818-62-0  |   |  |  |  |  |  |  |  |  |  |  |  |  | 23 |
| Zoxazolamine               | 200-519-4 | 61-80-3    | Zoxazolamine (INN)   | 200-519-4  | 61-80-3    |   |  |  |  |  |  |  |  |  |  |  |  |  | 24 |
| Procainamide               | 200-078-8 | 51-06-9    | Procainamide (INN), its salts and derivatives  | 200-078-8  | 51-06-9    |   |  |  |  |  |  |  |  |  |  |  |  |  | 25 |
| Benzidine                  | 202-199-1 | 92-87-5    | Benzidine  | 202-199-1, | 92-87-5    | 6 |  |  |  |  |  |  |  |  |  |  |  |  | 26 |
| Tuaminoheptane             | 204-655-5 | 123-82-0   | Tuaminoheptane (INN), its isomers and salts  | 204-655-5  | 123-82-0   |   |  |  |  |  |  |  |  |  |  |  |  |  | 27 |
| Octodrine                  | 208-851-1 | 543-82-8   | Octodrine (INN) and its salts  | 208-851-1  | 543-82-8   |   |  |  |  |  |  |  |  |  |  |  |  |  | 28 |
|                            |           |            | 2-Amino-1,2-bis(4-methoxyphenyl)ethanol and its salts  |            | 530-34-7   |   |  |  |  |  |  |  |  |  |  |  |  |  | 29 |
| 1,3-dimethylpentylamine    | 203-296-1 | 105-41-9   | 1,3-Dimethylpentylamine and its salts  | 203-296-1  | 105-41-9   |   |  |  |  |  |  |  |  |  |  |  |  |  | 30 |
| 4-aminosalicylic acid      | 200-613-5 | 65-49-6    | 4-Aminosalicylic acid and its salts  | 200-613-5  | 65-49-6    |   |  |  |  |  |  |  |  |  |  |  |  |  | 31 |

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|   |           |                      |   |            |            |   |  |  |  |   |    |  |  |   |  |  |   |   |
|---|-----------|----------------------|---|------------|------------|---|--|--|--|---|----|--|--|---|--|--|---|---|
| Toluidine   | 248-105-2 | 26915-12-8           | Toluidines, their isomers, salts and halogenated and sulphonated derivatives                      | 248-105-2  | 26915-12-8 |   |  |  |  |   | 32 |  |  |   |  |  |   |   |
| Xylidine  | 215-091-4 | 1300-73-8            | Xylidines, their isomers, salts and halogenated and sulphonated derivatives                       | 215-091-4  | 1300-73-8  | y |  |  |  |   | 33 |  |  |   |  |  |   |   |
| 9-(3-methylbut-2-enyloxy)-7H-furo[3,2-g]chromen-7-one | 207-581-1 | 482-44-0             | Imperatorin (9-(3-methylbut-2-enyloxy)furo[3,2-g]chromen-7-one)                                   | 207-581-1  | 482-44-0   |   |  |  |  |   | 34 |  |  |   |  |  |   |   |
| Ammi majus, ext.                                      | 291-072-4 | 90320-46-0           | Ammi majus L. and its galenical preparations  | 291-072-4  | 90320-46-0 |   |  |  |  |   | 35 |  |  |   |  |  |   |   |
|   |           |                      | 2,3-Dichloro-2-methylbutane   |            | 507-45-9   |   |  |  |  |   | 36 |  |  |   |  |  |   |   |
|   |           |                      | Substances with androgenic effect   |            |            |   |  |  |  |   | 37 |  |  |   |  |  |   |   |
| Anthracene  | 204-371-1 | 120-12-7             | Anthracene oil  | 204-371-1  | 120-12-7   | y |  |  |  |   | 38 |  |  |   |  |  |   |   |
|   |           |                      | Antibiotics   |            |            |   |  |  |  |   | 39 |  |  |   |  |  |   |   |
| Antimony  | 231-146-5 | 7440-36-0            | Antimony (Sb), Antimony and its compounds, Antimony (Sb)  | 231-146-5, | 7440-36-0  | y |  |  |  | 1 | 40 |  |  |   |  |  |   | y |
|   |           |                      | Antimony (Sb), Antimony and its compounds, Antimony (Sb)  | 231-146-5, | 7440-36-0  |   |  |  |  | 1 | 40 |  |  |   |  |  |   | y |
| Apocynum cannabinum, ext.                             | 283-253-1 | 84603-51-0           | Apocynum cannabinum L. and its preparations   | 283-253-1  | 84603-51-0 |   |  |  |  |   | 41 |  |  |   |  |  |   |   |
| Apomorphine   | 200-360-0 | 58-00-4              | Apomorphine ((R) 5,6,6a,7-tetrahydro-6-methyl-4H-dibenzo[de,g]quinoline-10,11-diol) and its salts | 200-360-0  | 58-00-4    |   |  |  |  |   | 42 |  |  |   |  |  |   |   |
| Diarsenic trioxide                                    | 215-481-4 | 1327-53-3, 7440-38-2 | Arsenic (As), Arsenic and its compounds   | 231-148-6, | 7440-38-2  | y |  |  |  | 1 | 43 |  |  | y |  |  | y | y |
| Arsenic   | 231-148-6 | 7440-38-2            | Arsenic (As), Arsenic and its compounds   | 231-148-6, | 7440-38-2  |   |  |  |  | 1 | 43 |  |  |   |  |  |   | y |
| Belladonna, ext.                                      | 232-365-9 | 8007-93-0            | Atropa belladonna L. and its preparations   | 232-365-9  | 8007-93-0  |   |  |  |  |   | 44 |  |  |   |  |  |   |   |
| Atropine  | 200-104-8 | 51-55-8              | Atropine, its salts and derivatives   | 200-104-8  | 51-55-8    |   |  |  |  |   | 45 |  |  |   |  |  |   |   |
|   |           |                      | Barium salts, with the exception of barium sulphide under the conditions laid down in             |            |            |   |  |  |  |   | 46 |  |  |   |  |  |   |   |

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|---|-----------|--------------------|--|------------|------------|---|--|--|---|----|---|---|---|--|---|---|---|
|   |           |                    | Annex III, and of barium sulfate, lakes, salts and pigments prepared from colouring agents when listed in Annex IV |            |            |   |  |  |   |    |   |   |   |  |   |   |   |
| Benzene   | 200-753-7 | 71-43-2, 1076-43-3 | Benzene  | 200-753-7  | 71-43-2    | y |  |  |   | 47 |   | y |   |  | y |   |   |
| 2-hydroxybenzimidazole                            | 210-412-4 | 615-16-7           | Benzimidazol-2(3H)-one   | 210-412-4  | 615-16-7   | y |  |  |   | 48 |   |   |   |  |   |   |   |
|   |           |                    | Benzazepines and benzodiazepines   |            | 12794-10-4 |   |  |  |   | 49 |   |   |   |  |   |   |   |
| 1-[(dimethylamino)methyl]-1-methylpropyl benzoate | 211-411-1 | 644-26-8           | 1-Dimethylamino methyl-1-methylpropyl benzoate (amylocaine) and its salts  | 211-411-1  | 644-26-8   |   |  |  |   | 50 |   |   |   |  |   |   |   |
|   |           |                    | 2,2,6-Trimethyl-4-piperidyl benzoate (eucaine) and its salts   |            | 500-34-5   |   |  |  |   | 51 |   |   |   |  |   |   |   |
| Isocarboxazid                                     | 200-438-4 | 59-63-2            | Isocarboxazid (INN)  | 200-438-4  | 59-63-2    |   |  |  |   | 52 |   |   |   |  |   |   |   |
| Bendroflumethiazide                               | 200-800-1 | 73-48-3            | Bendroflumethiazide (INN) and its derivatives  | 200-800-1  | 73-48-3    |   |  |  |   | 53 |   |   |   |  |   |   |   |
| Beryllium   | 231-150-7 | 7440-41-7          | Beryllium and its compounds  | 231-150-7  | 7440-41-7  | y |  |  |   | 54 | y | y |   |  |   | y |   |
| Bromine   | 231-778-1 | 7726-95-6          | Bromine, elemental   | 231-778-1  | 7726-95-6  | y |  |  |   | 55 |   |   |   |  |   |   | y |
| Bretylium tosilate                                | 200-516-8 | 61-75-6            | Bretylium tosilate (INN)   | 200-516-8  | 61-75-6    |   |  |  |   | 56 |   |   |   |  |   |   |   |
| Carbromal   | 201-046-6 | 77-65-6            | Carbromal (INN)  | 201-046-6  | 77-65-6    |   |  |  |   | 57 |   |   |   |  |   |   |   |
| Bromisoval  | 207-825-7 | 496-67-3           | Bromisoval (INN)   | 207-825-7  | 496-67-3   |   |  |  |   | 58 |   |   |   |  |   |   |   |
| Brompheniramine                                   | 201-657-8 | 86-22-6            | Brompheniramine (INN) and its salts  | 201-657-8  | 86-22-6    |   |  |  |   | 59 |   |   |   |  |   |   |   |
| Benzilonium bromide                               | 213-885-5 | 1050-48-2          | Benzilonium bromide (INN)  | 213-885-5  | 1050-48-2  |   |  |  |   | 60 |   |   |   |  |   |   |   |
| Tetrylammonium bromide                            | 200-769-4 | 71-91-0            | Tetrylammonium bromide (INN)   | 200-769-4  | 71-91-0    | y |  |  |   | 61 |   |   |   |  |   |   |   |
| Brucine   | 206-614-7 | 357-57-3           | Brucine  | 206-614-7  | 357-57-3   |   |  |  |   | 62 |   |   |   |  |   |   |   |
| Tetracaine  | 202-316-6 | 94-24-6            | Tetracaine (INN) and its salts   | 202-316-6  | 94-24-6    |   |  |  |   | 63 |   |   |   |  |   |   |   |
| Mofebutazone                                      | 218-641-1 | 2210-63-1          | Mofebutazone (INN)   | 218-641-1  | 2210-63-1  |   |  |  |   | 64 |   |   |   |  |   |   |   |
| Tolbutamide                                       | 200-594-3 | 64-77-7            | Tolbutamide (INN)  | 200-594-3  | 64-77-7    |   |  |  |   | 65 |   |   |   |  |   |   |   |
| Carbutamide                                       | 206-424-4 | 339-43-5           | Carbutamide (INN)  | 206-424-4  | 339-43-5   |   |  |  |   | 66 |   |   |   |  |   |   |   |
| Phenylbutazone                                    | 200-029-0 | 50-33-9            | Phenylbutazone (INN)   | 200-029-0  | 50-33-9    |   |  |  |   | 67 |   |   |   |  |   |   |   |
| Cadmium   | 231-152-8 | 7440-43-9          | Cadmium (Cd), Cadmium and its compounds, Cadmium (Cd)  | 231-152-8, | 7440-43-9  | y |  |  | 3 | 68 |   | y | y |  |   |   | y |
| Lytta vesicatoria, ext.                           | 296-298-7 | 92457-17-5         | Cantharides, Cantharis vesicatoria   | 296-298-7  | 92457-17-5 |   |  |  |   | 69 |   |   |   |  |   |   |   |

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|  |           |           |  |           |           |   |  |  |  |  |  |  |  |  |  |  |   |   |   |
|--|-----------|-----------|--|-----------|-----------|---|--|--|--|--|--|--|--|--|--|--|---|---|---|
| (1R,2S,3R,6S)-1,2-dimethyl-3,6-epoxycyclohexane-1,2-dicarboxylic anhydride | 200-263-3 | 56-25-7   | Cantharidine   | 200-263-3 | 56-25-7   |   |  |  |  |  |  |  |  |  |  |  |   |   |   |
| Phenprobamate  | 211-606-1 | 673-31-4  | Phenprobamate (INN)  | 211-606-1 | 673-31-4  |   |  |  |  |  |  |  |  |  |  |  |   |   |   |
|  |           |           | Nitroderivatives of carbazole  |           |           |   |  |  |  |  |  |  |  |  |  |  |   |   |   |
| Carbon disulphide  | 200-843-6 | 75-15-0   | Carbon disulphide  | 200-843-6 | 75-15-0   | y |  |  |  |  |  |  |  |  |  |  | y | y |   |
| Catalase   | 232-577-1 | 9001-05-2 | Catalase   | 232-577-1 | 9001-05-2 |   |  |  |  |  |  |  |  |  |  |  |   |   |   |
| Cephaeline   | 207-591-6 | 483-17-0  | Cephaeline and its salts   | 207-591-6 | 483-17-0  |   |  |  |  |  |  |  |  |  |  |  |   |   |   |
|  |           |           | Chenopodium ambrosioides L. (essential oil)  |           | 8006-99-3 |   |  |  |  |  |  |  |  |  |  |  |   |   |   |
| 2,2,2-trichloroethane-1,1-diol   | 206-117-5 | 302-17-0  | 2,2,2-Trichloroethane-1,1-diol   | 206-117-5 | 302-17-0  | y |  |  |  |  |  |  |  |  |  |  |   |   | y |
| Chlorine   | 231-959-5 | 7782-50-5 | Chlorine   | 231-959-5 | 7782-50-5 | y |  |  |  |  |  |  |  |  |  |  |   |   | y |
| Chlorpropamide   | 202-314-5 | 94-20-2   | Chlorpropamide (INN)   | 202-314-5 | 94-20-2   |   |  |  |  |  |  |  |  |  |  |  |   |   |   |
|  |           |           | 4-Phenylazophenylene-1,3-diamine citrate hydrochloride (chrysoidine citrate hydrochloride) |           | 5909-04-6 |   |  |  |  |  |  |  |  |  |  |  |   |   |   |
| Chlorzoxazone  | 202-403-9 | 95-25-0   | Chlorzoxazone (INN)  | 202-403-9 | 95-25-0   |   |  |  |  |  |  |  |  |  |  |  |   |   |   |
|  |           |           | 2-Chloro-6-methylpyrimidin-4-yl dimethylamine (crimidine-ISO)                              |           |           |   |  |  |  |  |  |  |  |  |  |  |   |   |   |
| Crimidine  | 208-622-6 | 535-89-7  |  | 208-622-6 | 535-89-7  |   |  |  |  |  |  |  |  |  |  |  |   |   |   |
| Chlorprothixene  | 204-032-8 | 113-59-7  | Chlorprothixene (INN) and its salts  | 204-032-8 | 113-59-7  |   |  |  |  |  |  |  |  |  |  |  |   |   |   |
| Clofenamide  | 211-588-5 | 671-95-4  | Clofenamide (INN)  | 211-588-5 | 671-95-4  |   |  |  |  |  |  |  |  |  |  |  |   |   |   |
|  |           |           | N,N-bis(2-chloroethyl)methylamine N-oxide and its salts                                    |           | 126-85-2  |   |  |  |  |  |  |  |  |  |  |  |   |   |   |
| Chlormethine   | 200-120-5 | 51-75-2   | Chlormethine (INN) and its salts   | 200-120-5 | 51-75-2   |   |  |  |  |  |  |  |  |  |  |  |   |   |   |
| Cyclophosphamide   | 200-015-4 | 50-18-0   | Cyclophosphamide (INN) and its salts   | 200-015-4 | 50-18-0   |   |  |  |  |  |  |  |  |  |  |  |   |   |   |
| Mannomustine   | 209-404-3 | 576-68-1  | Mannomustine (INN) and its salts   | 209-404-3 | 576-68-1  |   |  |  |  |  |  |  |  |  |  |  |   |   |   |
|  |           |           | Butanilicaine (INN) and its salts  |           | 3785-21-5 |   |  |  |  |  |  |  |  |  |  |  |   |   |   |
| Chlormezanone  | 201-307-4 | 80-77-3   | Chlormezanone (INN)  | 201-307-4 | 80-77-3   |   |  |  |  |  |  |  |  |  |  |  |   |   |   |
| Triparanol   | 201-115-0 | 78-41-1   | Triparanol (INN)   | 201-115-0 | 78-41-1   |   |  |  |  |  |  |  |  |  |  |  |   |   |   |
|  |           |           | 2-[2(4-Chlorophenyl)-2-phenylacetyl]indane-1,3-dione                                       |           |           |   |  |  |  |  |  |  |  |  |  |  |   |   |   |
| Chlorophacinone  | 223-003-0 | 3691-35-8 |  | 223-003-0 | 3691-35-8 |   |  |  |  |  |  |  |  |  |  |  |   |   | y |

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|  |               |                |   |                |                |   |  |  |   |  |  |         |  |   |  |  |  |   |
|--|---------------|----------------|---|----------------|----------------|---|--|--|---|--|--|---------|--|---|--|--|--|---|
|  |               |                | (chlorophacino<br>ne-ISO)   |                |                |   |  |  |   |  |  |         |  |   |  |  |  |   |
| Ethanamine,<br>2-(1-(4-<br>chlorophenyl<br>)-1-<br>phenylethox<br>y)-N,N-<br>dimethyl- | 616-<br>456-4 | 77-38-3        | Chlorphenoxa<br>mine (INN)  |                | 77-38-3        | y |  |  |   |  |  | 94      |  |   |  |  |  |   |
| Phenaglycod<br>ol  | 201-<br>235-3 | 79-93-6        | Phenaglycodol<br>(INN)  | 201-<br>235-3  | 79-93-6        |   |  |  |   |  |  | 95      |  |   |  |  |  |   |
| Chloroethan<br>e   | 200-<br>830-5 | 75-00-3        | Chloroethane  | 200-<br>830-5  | 75-00-3        | y |  |  |   |  |  | 96      |  | y |  |  |  |   |
| Chromium   | 231-<br>157-5 | 7440-<br>47-3  | Chromium (Cr)<br>(VI)6 ,<br>Chromium;<br>chromic acid<br>and its salts,<br>Chromium<br>(tot)                | 231-<br>157-5, | 7440-<br>47-3  | y |  |  | 5 |  |  | 97      |  |   |  |  |  | y |
| Ergot,<br>Claviceps<br>purpurea,<br>ext.   | 283-<br>885-8 | 84775-<br>56-4 | Claviceps<br>purpurea Tul.,<br>its alkaloids<br>and galenical<br>preparations                               | 283-<br>885-8  | 84775-<br>56-4 |   |  |  |   |  |  | 98      |  |   |  |  |  |   |
| Hemlock<br>(poison),<br>ext.   | 285-<br>527-6 | 85116-<br>75-2 | Conium<br>maculatum L.<br>(fruit, powder,<br>galenical<br>preparations)                                     | 285-<br>527-6  | 85116-<br>75-2 |   |  |  |   |  |  | 99      |  |   |  |  |  |   |
| Glycyclamid<br>e   | 211-<br>557-6 | 664-95-<br>9   | Glycyclamide<br>(INN)   | 211-<br>557-6  | 664-95-<br>9   |   |  |  |   |  |  | 10<br>0 |  |   |  |  |  |   |
|  |               |                | Cobalt<br>benzenesulpho<br>nate   |                | 23384-<br>69-2 |   |  |  |   |  |  | 10<br>1 |  |   |  |  |  |   |
| Colchicine   | 200-<br>598-5 | 64-86-8        | Colchicine, its<br>salts and<br>derivatives   | 200-<br>598-5  | 64-86-8        | y |  |  |   |  |  | 10<br>2 |  | y |  |  |  |   |
| Colchicoside   | 207-<br>513-0 | 477-29-<br>2   | Colchicoside<br>and its<br>derivatives  | 207-<br>513-0  | 477-29-<br>2   | y |  |  |   |  |  | 10<br>3 |  |   |  |  |  |   |
| Colchicum<br>autumnale,<br>ext.  | 283-<br>623-2 | 84696-<br>03-7 | Colchicum<br>autumnale L.<br>and its<br>galenical<br>preparations   | 283-<br>623-2  | 84696-<br>03-7 |   |  |  |   |  |  | 10<br>4 |  |   |  |  |  |   |
| Convallatoxi<br>n  | 208-<br>086-3 | 508-75-<br>8   | Convallatoxin   | 208-<br>086-3  | 508-75-<br>8   |   |  |  |   |  |  | 10<br>5 |  |   |  |  |  |   |
|  |               |                | Anamirta<br>cocculus L.<br>(fruit)  |                |                |   |  |  |   |  |  | 10<br>6 |  |   |  |  |  |   |
| Croton<br>Geayi  | 679-<br>592-3 | 8001-<br>28-3  | Croton tiglium<br>L. (oil)  |                | 8001-<br>28-3  |   |  |  |   |  |  | 10<br>7 |  |   |  |  |  |   |
|  |               |                | 1-Butyl-3-(N-<br>crotonoylsulph<br>anilyl)urea  |                | 52964-<br>42-8 |   |  |  |   |  |  | 10<br>8 |  |   |  |  |  |   |
| Curare   | 232-<br>511-1 | 8063-<br>06-7  | Curare and<br>curarine  | 232-<br>511-1  | 8063-<br>06-7  |   |  |  |   |  |  | 10<br>9 |  |   |  |  |  |   |
| Curarine   | 244-<br>880-6 | 22260-<br>42-0 | Curare and<br>curarine  | 244-<br>880-6  | 22260-<br>42-0 |   |  |  |   |  |  | 10<br>9 |  |   |  |  |  |   |
|  |               |                | Synthetic<br>curarizants  |                |                |   |  |  |   |  |  | 11<br>0 |  |   |  |  |  |   |
| Hydrogen<br>cyanide  | 200-<br>821-6 | 74-90-8        | Hydrogen<br>cyanide and its<br>salts  | 200-<br>821-6  | 74-90-8        | y |  |  |   |  |  | 11<br>1 |  |   |  |  |  |   |
|  |               |                | Feclemine<br>(INN);<br>2-(alpha-<br>Cyclohexylben<br>zyl)-N,N',N'-<br>tetraethyl-1,3-<br>propanediamin<br>e |                | 3590-<br>16-7  |   |  |  |   |  |  | 11<br>2 |  |   |  |  |  |   |
| Cyclomenol   | 227-<br>002-6 | 5591-<br>47-9  | Cyclomenol<br>(INN) and its<br>salts  | 227-<br>002-6  | 5591-<br>47-9  |   |  |  |   |  |  | 11<br>3 |  |   |  |  |  |   |



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|---|-----------|-----------|---|-----------|-----------|--|---|--|--|--|--|--|--|--|--|---|--|-----|
|   |           |           | Sodium hexacyclonate (INN)  |           | 7009-49-6 |  |   |  |  |  |  |  |  |  |  |   |  | 114 |
| Hexapropymate   | 206-618-9 | 358-52-1  | Hexapropymate (INN)   | 206-618-9 | 358-52-1  |  |   |  |  |  |  |  |  |  |  |   |  | 115 |
|   |           |           | O,O'-Diacetyl-N-allyl-N-normorphine   |           | 2748-74-5 |  |   |  |  |  |  |  |  |  |  |   |  | 117 |
| Pipazetate  | 218-508-8 | 2167-85-3 | Pipazetate (INN) and its salts  | 218-508-8 | 2167-85-3 |  |   |  |  |  |  |  |  |  |  |   |  | 118 |
| 5-(1,2-dibromo-2-phenylethyl)-5-methylimidazole-2,4-dione | 208-133-8 | 511-75-1  | 5-( $\alpha,\beta$ -Dibromophenethyl)-5-methylhydantoin   | 208-133-8 | 511-75-1  |  |   |  |  |  |  |  |  |  |  |   |  | 119 |
| Pentamethonium bromide                                    | 208-771-7 | 541-20-8  | N,N'-Pentamethylenabis(trimethylammonium) salts, e. g. pentamethonium bromide (INN)               | 208-771-7 | 541-20-8  |  |   |  |  |  |  |  |  |  |  |   |  | 120 |
| Azamethonium bromide                                      | 206-186-1 | 306-53-6  | N,N'-[(Methylimino)diethylene]bis(ethyltrimethylammonium) salts, e. g. azamethonium bromide (INN) | 206-186-1 | 306-53-6  |  |   |  |  |  |  |  |  |  |  |   |  | 121 |
| Cyclarbamate  | 227-302-7 | 5779-54-4 | Cyclarbamate (INN)  | 227-302-7 | 5779-54-4 |  |   |  |  |  |  |  |  |  |  |   |  | 122 |
| Clofenotane   | 200-024-3 | 50-29-3   | Clofenotane (INN); DDT (ISO)  | 200-024-3 | 50-29-3   |  |   |  |  |  |  |  |  |  |  | y |  | 123 |
| Hexamethonium bromide                                     | 200-249-7 | 55-97-0   | N,N'-Hexamethylenabis(trimethylammonium) salts, e. g. hexamethonium bromide (INN)                 | 200-249-7 | 55-97-0   |  |   |  |  |  |  |  |  |  |  |   |  | 124 |
| 1,2-dichloroethane  | 203-458-1 | 107-06-2  | Dichloroethanes (ethylene chlorides) e.g. 1,2-Dichloroethane                                      | 203-458-1 | 107-06-2  |  | y |  |  |  |  |  |  |  |  |   |  | 125 |
| 1,1-dichloroethylene                                      | 200-864-0 | 75-35-4   | Dichloroethylenes (acetylene chlorides) e.g. Vinylidene chloride (1,1-Dichloroethylene)           | 200-864-0 | 75-35-4   |  | y |  |  |  |  |  |  |  |  |   |  | 126 |
| Lysergide   | 200-033-2 | 50-37-3   | Lysergide (INN) (LSD) and its salts   | 200-033-2 | 50-37-3   |  |   |  |  |  |  |  |  |  |  |   |  | 127 |
| Xenysalate  | 222-686-2 | 3572-52-9 | 2-Diethylaminoethyl 3-hydroxy-4-phenylbenzoate and its salts                                      | 222-686-2 | 3572-52-9 |  |   |  |  |  |  |  |  |  |  |   |  | 128 |
| Cinchocaine   | 201-632-1 | 85-79-0   | Cinchocaine (INN) and its salts   | 201-632-1 | 85-79-0   |  |   |  |  |  |  |  |  |  |  |   |  | 129 |
|   |           |           | 3-Diethylaminopropyl cinnamate  |           | 538-66-9  |  |   |  |  |  |  |  |  |  |  |   |  | 130 |
| Parathion   | 200-271-7 | 56-38-2   | O,O'-Diethyl-O-4-nitrophenyl  | 200-271-7 | 56-38-2   |  |   |  |  |  |  |  |  |  |  |   |  | 131 |

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|---|-----------|------------|--|-----------|------------|---|--|--|--|--|--|--|--|--|--|--|--|-----|
|   |           |            | phosphorothioate (Parathion - ISO)   |           |            |   |  |  |  |  |  |  |  |  |  |  |  |     |
| Ambenonium chloride                         | 204-107-5 | 115-79-7   | [Oxalylbis(iminoethylene)]bis [(o-chlorobenzyl)diethylammonium] salts, e. g. ambenonium chloride (INN) | 204-107-5 | 115-79-7   |   |  |  |  |  |  |  |  |  |  |  |  | 132 |
| Methyprylon                                 | 204-745-4 | 125-64-4   | Methyprylon (INN) and its salts  | 204-745-4 | 125-64-4   |   |  |  |  |  |  |  |  |  |  |  |  | 133 |
| Digitalin                                   | 212-036-6 | 752-61-4   | Digitaline and all heterosides of Digitalis purpurea L.  | 212-036-6 | 752-61-4   |   |  |  |  |  |  |  |  |  |  |  |  | 134 |
|   |           |            | 7-[2-Hydroxy-3-(2-hydroxyethyl-N-methylamino)propyl]theophylline (xanthinol)                           |           | 2530-97-4  |   |  |  |  |  |  |  |  |  |  |  |  | 135 |
| Dioxethedrin                                | 207-849-8 | 497-75-6   | Dioxethedrin (INN) and its salts   | 207-849-8 | 497-75-6   |   |  |  |  |  |  |  |  |  |  |  |  | 136 |
| Piprocarym iodide                           | 222-627-0 | 3562-55-8  | Piprocarym iodide (INN)  | 222-627-0 | 3562-55-8  |   |  |  |  |  |  |  |  |  |  |  |  | 137 |
| Propyphenazone                              | 207-539-2 | 479-92-5   | Propyphenazone (INN)   | 207-539-2 | 479-92-5   |   |  |  |  |  |  |  |  |  |  |  |  | 138 |
| Tetrabenazine                               | 200-383-6 | 58-46-8    | Tetrabenazine (INN) and its salts  | 200-383-6 | 58-46-8    |   |  |  |  |  |  |  |  |  |  |  |  | 139 |
| Captodiame                                  | 207-629-1 | 486-17-9   | Captodiame (INN)   | 207-629-1 | 486-17-9   |   |  |  |  |  |  |  |  |  |  |  |  | 140 |
|   |           |            | Mefeclozazine (INN) and its salts  |           | 1243-33-0  |   |  |  |  |  |  |  |  |  |  |  |  | 141 |
| Dimethylamine                               | 204-697-4 | 124-40-3   | Dimethylamine  | 204-697-4 | 124-40-3   | y |  |  |  |  |  |  |  |  |  |  |  | 142 |
| 1,1-bis(dimethylaminomethyl)propyl benzoate | 213-512-6 | 963-07-5   | 1,1-Bis(dimethylaminomethyl)propyl benzoate (amydricine, alypine) and its salts                        | 213-512-6 | 963-07-5   |   |  |  |  |  |  |  |  |  |  |  |  | 143 |
| Methapyrilene                               | 202-099-8 | 91-80-5    | Methapyrilene (INN) and its salts  | 202-099-8 | 91-80-5    |   |  |  |  |  |  |  |  |  |  |  |  | 144 |
| Metamfepramone                              | 239-384-1 | 15351-09-4 | Metamfepramone (INN) and its salts   | 239-384-1 | 15351-09-4 |   |  |  |  |  |  |  |  |  |  |  |  | 145 |
| Amitriptyline                               | 200-041-6 | 50-48-6    | Amitriptyline (INN) and its salts  | 200-041-6 | 50-48-6    | y |  |  |  |  |  |  |  |  |  |  |  | 146 |
| Metformin                                   | 211-517-8 | 657-24-9   | Metformin (INN) and its salts  | 211-517-8 | 657-24-9   |   |  |  |  |  |  |  |  |  |  |  |  | 147 |
| Isosorbide dinitrate                        | 201-740-9 | 87-33-2    | Isosorbide dinitrate (INN)   | 201-740-9 | 87-33-2    | y |  |  |  |  |  |  |  |  |  |  |  | 148 |
| Malononitrile                               | 203-703-2 | 109-77-3   | Malononitrile  | 203-703-2 | 109-77-3   | y |  |  |  |  |  |  |  |  |  |  |  | 149 |
| Succinonitrile                              | 203-783-9 | 110-61-2   | Succinonitrile   | 203-783-9 | 110-61-2   | y |  |  |  |  |  |  |  |  |  |  |  | 150 |
| 2,4-dinitrophenol                           | 200-087-7 | 51-28-5    | Dinitrophenol isomers  | 200-087-7 | 51-28-5    | y |  |  |  |  |  |  |  |  |  |  |  | 151 |
| 2,5-dinitrophenol                           | 206-348-1 | 329-71-5   | Dinitrophenol isomers  | 206-348-1 | 329-71-5   |   |  |  |  |  |  |  |  |  |  |  |  | 151 |
| 2,6-dinitrophenol                           | 209-357-9 | 573-56-8   | Dinitrophenol isomers  | 209-357-9 | 573-56-8   |   |  |  |  |  |  |  |  |  |  |  |  | 151 |

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|---------------------------------|-----------|------------|---|----------------------|-------------------|---|--|--|--|-----|---|--|--|--|---|--|--|
| Dinitrophenol                   | 247-096-2 | 25550-58-7 | Dinitrophenol isomers   | 247-096-2            | 25550-58-7        |   |  |  |  | 151 |   |  |  |  |   |  |  |
|                                 |           |            | Inproquone (INN)  |                      | 436-40-8          |   |  |  |  | 152 |   |  |  |  |   |  |  |
| Dimevamide                      | 200-479-8 | 60-46-8    | Dimevamide (INN) and its salts  | 200-479-8            | 60-46-8           |   |  |  |  | 153 |   |  |  |  |   |  |  |
| Diphenylpyraline                | 205-686-7 | 147-20-6   | Diphenylpyraline (INN) and its salts  | 205-686-7            | 147-20-6          |   |  |  |  | 154 |   |  |  |  |   |  |  |
| Sulfinpyrazone                  | 200-357-4 | 57-96-5    | Sulfinpyrazone (INN)  | 200-357-4            | 57-96-5           |   |  |  |  | 155 |   |  |  |  |   |  |  |
| Isopropamide iodide             | 200-766-8 | 71-81-8    | N-(3-Carbamoyl-3,3-diphenylpropyl)-N,N-diisopropylmethylammonium salts, e. g. isopropamide iodide (INN) | 200-766-8            | 71-81-8           |   |  |  |  | 156 |   |  |  |  |   |  |  |
| Benactyzine                     | 206-123-8 | 302-40-9   | Benactyzine (INN)   | 206-123-8            | 302-40-9          |   |  |  |  | 157 |   |  |  |  |   |  |  |
|                                 |           |            | Benzatropine (INN) and its salts  |                      | 86-13-5           |   |  |  |  | 158 |   |  |  |  |   |  |  |
| Cyclizine                       | 201-445-5 | 82-92-8    | Cyclizine (INN) and its salts   | 201-445-5            | 82-92-8           |   |  |  |  | 159 |   |  |  |  |   |  |  |
| Doxenitoin                      | 221-851-6 | 3254-93-1  | 5,5-Diphenyl-4-imidazolidone (Doxenitoin (INN))   | 221-851-6            | 3254-93-1         |   |  |  |  | 160 |   |  |  |  |   |  |  |
| Probenecid                      | 200-344-3 | 57-66-9    | Probenecid (INN)  | 200-344-3            | 57-66-9           |   |  |  |  | 161 |   |  |  |  |   |  |  |
| Disulfiram                      | 202-607-8 | 97-77-8    | Disulfiram (INN); thiram (INN)  | 202-607-8, 205-286-2 | 137-26-8, 97-77-8 | y |  |  |  | 162 | y |  |  |  |   |  |  |
| Thiram                          | 205-286-2 | 137-26-8   | Disulfiram (INN); thiram (INN)  | 205-286-2, 202-607-8 | 97-77-8, 137-26-8 | y |  |  |  | 162 | y |  |  |  | y |  |  |
| Emetine                         | 207-592-1 | 483-18-1   | Emetine, its salts and derivatives  | 207-592-1            | 483-18-1          |   |  |  |  | 163 |   |  |  |  |   |  |  |
| Ephedrine                       | 206-080-5 | 299-42-3   | Ephedrine and its salts   | 206-080-5            | 299-42-3          | y |  |  |  | 164 |   |  |  |  |   |  |  |
|                                 |           |            | Oxanamide (INN) and its derivatives   |                      | 126-93-2          |   |  |  |  | 165 |   |  |  |  |   |  |  |
| Physostigmine                   | 200-332-8 | 57-47-6    | Eserine or physostigmine and its salts  | 200-332-8            | 57-47-6           |   |  |  |  | 166 |   |  |  |  |   |  |  |
| 4-aminobenzoic acid             | 205-753-0 | 150-13-0   | Esters of 4-aminobenzoic acid, with the free amino group, with the exception of that given in Annex VI  | 205-753-0            | 150-13-0          | y |  |  |  | 167 |   |  |  |  |   |  |  |
| Choline chloride                | 200-655-4 | 67-48-1    | Choline salts and their esters, e. g. choline chloride (INN)  | 200-655-4            | 67-48-1           | y |  |  |  | 168 |   |  |  |  |   |  |  |
| Caramiphen                      | 201-013-6 | 77-22-5    | Caramiphen (INN) and its salts  | 201-013-6            | 77-22-5           |   |  |  |  | 169 |   |  |  |  |   |  |  |
| Diethyl 4-nitrophenyl phosphate | 206-221-0 | 311-45-5   | Diethyl 4-nitrophenyl phosphate (Paraoxon - ISO)  | 206-221-0            | 311-45-5          |   |  |  |  | 170 |   |  |  |  |   |  |  |

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|--|-----------|------------|--|-----------|------------|---|--|--|--|--|--|--|--|--|--|--|--|--|---------|
|  |           |            | Metethoheptazine (INN) and its salts   |           | 509-84-2   |   |  |  |  |  |  |  |  |  |  |  |  |  | 17<br>1 |
|  |           |            | Oxpheneridine (INN) and its salts  |           | 546-32-7   |   |  |  |  |  |  |  |  |  |  |  |  |  | 17<br>2 |
| Ethoheptazine  | 201-007-3 | 77-15-6    | Ethoheptazine (INN) and its salts  | 201-007-3 | 77-15-6    |   |  |  |  |  |  |  |  |  |  |  |  |  | 17<br>3 |
|  |           |            | Metheptazine (INN) and its salts   |           | 469-78-3   |   |  |  |  |  |  |  |  |  |  |  |  |  | 17<br>4 |
| Methylphenidate                                      | 204-028-6 | 113-45-1   | Methylphenidate (INN) and its salts  | 204-028-6 | 113-45-1   |   |  |  |  |  |  |  |  |  |  |  |  |  | 17<br>5 |
| Doxylamine   | 207-414-2 | 469-21-6   | Doxylamine (INN) and its salts   | 207-414-2 | 469-21-6   | y |  |  |  |  |  |  |  |  |  |  |  |  | 17<br>6 |
|  |           |            | Tolboxane (INN)  |           | 2430-46-8  |   |  |  |  |  |  |  |  |  |  |  |  |  | 17<br>7 |
| Monobenzonene  | 203-083-3 | 103-16-2   | 4-Benzyloxyphenol and 4-ethoxyphenol   | 203-083-3 | 103-16-2   |   |  |  |  |  |  |  |  |  |  |  |  |  | 17<br>8 |
| 4-ethoxyphenol                                       | 210-748-1 | 622-62-8   | 4-Benzyloxyphenol and 4-ethoxyphenol   | 210-748-1 | 622-62-8   |   |  |  |  |  |  |  |  |  |  |  |  |  | 17<br>8 |
| 2-(diethylamino)ethyl 4-ethoxybenzoate hydrochloride | 205-246-4 | 136-46-9   | Parethoxycaine (INN) and its salts   | 205-246-4 | 94-23-5    |   |  |  |  |  |  |  |  |  |  |  |  |  | 17<br>9 |
| Fenozolone   | 239-339-6 | 15302-16-6 | Fenozolone (INN)   | 239-339-6 | 15302-16-6 |   |  |  |  |  |  |  |  |  |  |  |  |  | 18<br>0 |
| Glutethimide   | 201-012-0 | 77-21-4    | Glutethimide (INN) and its salts   | 201-012-0 | 77-21-4    |   |  |  |  |  |  |  |  |  |  |  |  |  | 18<br>1 |
| Ethylene oxide                                       | 200-849-9 | 75-21-8    | Ethylene oxide   | 200-849-9 | 75-21-8    | y |  |  |  |  |  |  |  |  |  |  |  |  | 18<br>2 |
| Bemegride  | 200-588-0 | 64-65-3    | Bemegride (INN) and its salts  | 200-588-0 | 64-65-3    |   |  |  |  |  |  |  |  |  |  |  |  |  | 18<br>3 |
| Valnoctamide   | 224-033-7 | 4171-13-5  | Valnoctamide (INN)   | 224-033-7 | 4171-13-5  |   |  |  |  |  |  |  |  |  |  |  |  |  | 18<br>4 |
| Haloperidol  | 200-155-6 | 52-86-8    | Haloperidol (INN)  | 200-155-6 | 52-86-8    |   |  |  |  |  |  |  |  |  |  |  |  |  | 18<br>5 |
| Paramethasone  | 200-169-2 | 53-33-8    | Paramethasone (INN)  | 200-169-2 | 53-33-8    |   |  |  |  |  |  |  |  |  |  |  |  |  | 18<br>6 |
| Fluanisone   | 216-038-8 | 1480-19-9  | Fluanisone (INN)   | 216-038-8 | 1480-19-9  |   |  |  |  |  |  |  |  |  |  |  |  |  | 18<br>7 |
|  |           |            | Trifluoperidol (INN)   |           | 749-13-3   |   |  |  |  |  |  |  |  |  |  |  |  |  | 18<br>8 |
| Fluoresone   | 220-889-0 | 2924-67-6  | Fluoresone (INN)   | 220-889-0 | 2924-67-6  |   |  |  |  |  |  |  |  |  |  |  |  |  | 18<br>9 |
| Fluorouracil   | 200-085-6 | 51-21-8    | Fluorouracil (INN)   | 200-085-6 | 51-21-8    | y |  |  |  |  |  |  |  |  |  |  |  |  | 19<br>0 |
| Hydrogen fluoride                                    | 231-634-8 | 7664-39-3  | Hydrofluoric acid, its normal salts, its complexes and hydrofluorides with the exception of those given in Annex III | 231-634-8 | 7664-39-3  | y |  |  |  |  |  |  |  |  |  |  |  |  | 19<br>1 |
| Furtrethonium iodide                                 | 208-789-5 | 541-64-0   | Furfuryltrimethylammonium salts, e. g. furtrethonium iodide (INN)  | 208-789-5 | 541-64-0   |   |  |  |  |  |  |  |  |  |  |  |  |  | 19<br>2 |
| GALANTHAMINE   | 609-175-3 | 357-70-0   | Galantamine (INN)  |           | 357-70-0   |   |  |  |  |  |  |  |  |  |  |  |  |  | 19<br>3 |
|  |           |            | Progestogens   |           |            |   |  |  |  |  |  |  |  |  |  |  |  |  | 19<br>4 |

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|--|-----------|---------------------|--|-----------|------------|---|--|--|--|--|--|-----|---|---|--|---|--|
| γ-HCH or γ-BHC   | 200-401-2 | 58-89-9             | 1,2,3,4,5,6-Hexachlorocyclohexane (BHC-ISO)  | 200-401-2 | 58-89-9    |   |  |  |  |  |  | 195 |   |   |  |   |  |
| Endrin   | 200-775-7 | 72-20-8             | (1R,4S,5R,8S)-1,2,3,4,10,10-Hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-1,4:5,8-dimethanonaphthalene (endrin-ISO) | 200-775-7 | 72-20-8    |   |  |  |  |  |  | 196 |   |   |  |   |  |
| Hexachloroethane   | 200-666-4 | 67-72-1             | Hexachloroethane   | 200-666-4 | 67-72-1    |   |  |  |  |  |  | 197 |   |   |  |   |  |
|  |           |                     | Hexachloroethane   | 200-666-4 | 67-72-1    |   |  |  |  |  |  | 197 |   |   |  |   |  |
| (1α,4α,4αβ,5β,8β8aβ)-1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-1,4:5,8-dimethanonaphthalene | 207-366-2 | 465-73-6            | (1R,4S,5R,8S)-1,2,3,4,10,10-Hexachloro-1,4,4a,5,8,8a-hexahydro-1,4:5,8-dimethanonaphthalene (isodrin-ISO)              | 207-366-2 | 465-73-6   |   |  |  |  |  |  | 198 |   |   |  |   |  |
| Hydrastine   | 204-233-0 | 118-08-1            | Hydrastine, hydrastinine and their salts   | 204-233-0 | 118-08-1   |   |  |  |  |  |  | 199 |   |   |  |   |  |
| Hydrastinine   | 229-533-9 | 6592-85-4           | Hydrastine, hydrastinine and their salts   | 229-533-9 | 6592-85-4  |   |  |  |  |  |  | 199 |   |   |  |   |  |
| Isoniazid  | 200-214-6 | 54-85-3             | Hydrazides and their salts e.g. Isoniazid (INN)  | 200-214-6 | 54-85-3    |   |  |  |  |  |  | 200 |   |   |  |   |  |
| Hydrazine  | 206-114-9 | 302-01-2, 7803-57-8 | Hydrazine, its derivatives and their salts   | 206-114-9 | 302-01-2   | y |  |  |  |  |  | 201 | y | y |  | y |  |
| Warfarin   | 201-377-6 | 81-81-2             | Warfarin (INN) and its salts   | 201-377-6 | 81-81-2    | y |  |  |  |  |  | 202 |   |   |  | y |  |
| Ethyl biscoumate   | 208-940-5 | 548-00-5            | Ethyl bis(4-hydroxy-2-oxo-1-benzopyran-3-yl)acetate and salts of the acid  | 208-940-5 | 548-00-5   |   |  |  |  |  |  | 204 |   |   |  |   |  |
| Methocarbamol  | 208-524-3 | 532-03-6            | Methocarbamol (INN)  | 208-524-3 | 532-03-6   |   |  |  |  |  |  | 205 |   |   |  |   |  |
| Propatylnitrate  | 220-866-5 | 2921-92-8           | Propatylnitrate (INN)  | 220-866-5 | 2921-92-8  |   |  |  |  |  |  | 206 |   |   |  |   |  |
|  |           |                     | 4,4'-Dihydroxy-3,3'-(3-methylthiopyridene)dicoumarin   |           |            |   |  |  |  |  |  | 207 |   |   |  |   |  |
|  |           |                     | Fenadiazole (INN)  |           | 1008-65-7  |   |  |  |  |  |  | 208 |   |   |  |   |  |
| Nitroxoline  | 223-662-4 | 4008-48-4           | Nitroxoline (INN) and its salts  | 223-662-4 | 4008-48-4  |   |  |  |  |  |  | 209 |   |   |  |   |  |
| Hyoscyamine  | 202-933-0 | 101-31-5            | Hyoscyamine, its salts and derivatives   | 202-933-0 | 101-31-5   |   |  |  |  |  |  | 210 |   |   |  |   |  |
| Hyoscyamus niger, ext.   | 283-265-7 | 84603-65-6          | Hyoscyamus niger L. (leaves, seeds, powder and   | 283-265-7 | 84603-65-6 |   |  |  |  |  |  | 211 |   |   |  |   |  |

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|---|-----------|------------|--|------------|------------|---|--|--|--|---|--|----|--|--|--|--|---|---|
|   |           |            | galenical preparations)  |            |            |   |  |  |  |   |  |    |  |  |  |  |   |   |
| Pemoline  | 218-438-8 | 2152-34-3  | Pemoline (INN) and its salts   | 218-438-8  | 2152-34-3  |   |  |  |  |   |  | 21 |  |  |  |  |   |   |
| Iodine  | 231-442-4 | 7553-56-2  | Iodine   | 231-442-4  | 7553-56-2  | y |  |  |  |   |  | 21 |  |  |  |  |   |   |
| Decamethonium bromide   | 208-772-2 | 541-22-0   | Decamethylen ebis(trimethylammonium) salts, e. g. decamethonium bromide (INN)                            | 208-772-2  | 541-22-0   |   |  |  |  |   |  | 21 |  |  |  |  |   |   |
| Ipecac  | 232-385-8 | 8012-96-2  | Ipecacuanha (Cephaelis ipecacuanha Brot. and related species) (roots, powder and galenical preparations) | 232-385-8  | 8012-96-2  |   |  |  |  |   |  | 21 |  |  |  |  |   |   |
| (2-isopropylpent-4-enyl)urea  | 208-443-3 | 528-92-7   | (2-Isopropylpent-4-enyl)urea (apronalide)  | 208-443-3  | 528-92-7   |   |  |  |  |   |  | 21 |  |  |  |  |   |   |
| (3S,3aS,5aS,9bS)-2,3,3a,4,5,5a,8,9b-octahydro-3,5a,9-trimethylnaphtho[1,2-b]furan-2,8-dione | 207-560-7 | 481-06-1   | α-Santonin [(3S,5aR,9bS)-3,3a,4,5,5a,9b-hexahydro-3,5a,9-trimethylnaphtho[1,2-b]furan-2,8-dione]         | 207-560-7  | 481-06-1   |   |  |  |  |   |  | 21 |  |  |  |  |   |   |
| Lobelia inflata, ext.   | 283-642-6 | 84696-23-1 | Lobelia inflata L. and its galenical preparations  | 283-642-6  | 84696-23-1 |   |  |  |  |   |  | 21 |  |  |  |  |   |   |
| Lobeline  | 202-012-3 | 90-69-7    | Lobeline (INN) and its salts   | 202-012-3  | 90-69-7    |   |  |  |  |   |  | 21 |  |  |  |  |   |   |
|   |           |            | Barbiturates   |            |            |   |  |  |  |   |  | 22 |  |  |  |  |   |   |
| Mercury   | 231-106-7 | 7439-97-6  | Mercury (Hg) , Mercury and its compounds, except those special cases included in Annex V, Mercury (Hg)   | 231-106-7, | 7439-97-6  | y |  |  |  | 7 |  | 22 |  |  |  |  | y | y |
| 3,4,5-trimethoxyphenethylamine  | 200-190-7 | 54-04-6    | 3,4,5-Trimethoxyphenethylamine (Mescaline) and its salts   | 200-190-7  | 54-04-6    |   |  |  |  |   |  | 22 |  |  |  |  |   |   |
| Acetaldehyde, homopolymer   | 618-341-4 | 9002-91-9  | Metalddehyde   |            | 9002-91-9  |   |  |  |  |   |  | 22 |  |  |  |  |   |   |
|   |           |            | 2-(4-Allyl-2-methoxyphenoxy)-N,N-diethylacetamide and its salts  |            | 305-13-5   |   |  |  |  |   |  | 22 |  |  |  |  |   |   |
| Coumetarol  | 224-455-1 | 4366-18-1  | Coumetarol (INN)   | 224-455-1  | 4366-18-1  |   |  |  |  |   |  | 22 |  |  |  |  |   |   |
| Dextromethorphan  | 204-752-2 | 125-71-3   | Dextromethorphan (INN) and its salts   | 204-752-2  | 125-71-3   |   |  |  |  |   |  | 22 |  |  |  |  |   |   |
|   |           |            | 2-Methylheptylamine and its salts  |            | 540-43-2   |   |  |  |  |   |  | 22 |  |  |  |  |   |   |

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|--|-----------|--------------------|---|------------|------------|---|----|--|--|--|-----|--|---|---|--|--|---|
| Isometheptene                                      | 207-959-6 | 503-01-5           | Isometheptene (INN) and its salts   | 207-959-6  | 503-01-5   | y |    |  |  |  | 228 |  |   |   |  |  |   |
| Mecamylamine                                       | 200-476-1 | 60-40-2            | Mecamylamine (INN)  | 200-476-1  | 60-40-2    |   |    |  |  |  | 229 |  |   |   |  |  |   |
| Guaifenesin  | 202-222-5 | 93-14-1            | Guaifenesin (INN)   | 202-222-5  | 93-14-1    |   |    |  |  |  | 230 |  |   |   |  |  |   |
| Dicoumarol   | 200-632-9 | 66-76-2            | Dicoumarol (INN)  | 200-632-9  | 66-76-2    |   |    |  |  |  | 231 |  |   |   |  |  |   |
| Phenmetrazine                                      | 205-143-4 | 134-49-6           | Phenmetrazine (INN), its derivatives and salts  | 205-143-4  | 134-49-6   |   |    |  |  |  | 232 |  |   |   |  |  |   |
| Thiamazole   | 200-482-4 | 60-56-0            | Thiamazole (INN)  | 200-482-4  | 60-56-0    | y |    |  |  |  | 233 |  |   |   |  |  |   |
| 3,4-dihydro-2-methoxy-2-methyl-4-phenylpyran-5-one | 208-248-3 | 518-20-7           | 3,4-Dihydro-2-methoxy-2-methyl-4-phenyl-2H,5H-pyrano [3,2-c]-[1] benzopyran-5-one (cyclocoumarol) | 208-248-3  | 518-20-7   |   |    |  |  |  | 234 |  |   |   |  |  |   |
| Carisoprodol                                       | 201-118-7 | 78-44-4            | Carisoprodol (INN)  | 201-118-7  | 78-44-4    |   |    |  |  |  | 235 |  |   |   |  |  |   |
| Meprobamate  | 200-337-5 | 57-53-4            | Meprobamate (INN)   | 200-337-5  | 57-53-4    |   |    |  |  |  | 236 |  |   |   |  |  |   |
|  |           |                    | Tefazoline (INN) and its salts  |            | 1082-56-0  |   |    |  |  |  | 237 |  |   |   |  |  |   |
| Arecoline  | 200-565-5 | 63-75-2            | Arecoline   | 200-565-5  | 63-75-2    |   |    |  |  |  | 238 |  |   |   |  |  |   |
| Poldine metilsulfate                               | 208-894-6 | 545-80-2           | Poldine metilsulfate (INN)  | 208-894-6  | 545-80-2   |   |    |  |  |  | 239 |  |   |   |  |  |   |
| Hydroxyzine  | 200-693-1 | 68-88-2            | Hydroxyzine (INN)   | 200-693-1  | 68-88-2    |   |    |  |  |  | 240 |  |   |   |  |  |   |
| 2-naphthol   | 205-182-7 | 135-19-3           | 2-Naphthol  | 205-182-7  | 135-19-3   | y |    |  |  |  | 241 |  |   |   |  |  |   |
| 2-naphthylamine                                    | 202-080-4 | 91-59-8            | 2-naphthylamine, 1-and 2-Naphthylamines and their salts, 2-Naphthylamine                          | 202-080-4, | 91-59-8    |   | 19 |  |  |  | 242 |  | y |   |  |  | y |
| 1-naphthylamine                                    | 205-138-7 | 134-32-7           | 1-and 2-Naphthylamines and their salts  | 205-138-7  | 134-32-7   | y |    |  |  |  | 242 |  |   |   |  |  |   |
|  |           |                    | 3-(1-Naphthyl)-4-hydroxycoumarin  |            | 39923-41-6 |   |    |  |  |  | 243 |  |   |   |  |  |   |
| Naphazoline  | 212-641-5 | 835-31-4           | Naphazoline (INN) and its salts   | 212-641-5  | 835-31-4   |   |    |  |  |  | 244 |  |   |   |  |  |   |
| Neostigmine bromide                                | 204-054-8 | 114-80-7           | Neostigmine and its salts e. g. neostigmine bromide (INN)   | 204-054-8  | 114-80-7   |   |    |  |  |  | 245 |  |   |   |  |  |   |
| Nicotine   | 200-193-3 | 54-11-5            | Nicotine and its salts  | 200-193-3  | 54-11-5    | y |    |  |  |  | 246 |  |   |   |  |  |   |
| nicotine   | 686-240-2 | 54-11-5            | Nicotine and its salts  | 200-193-3  | 54-11-5    |   |    |  |  |  | 246 |  |   |   |  |  |   |
| "amyl nitrite", mixed isomers                      | 203-770-8 | 110-46-3, 463-04-7 | Amyl nitrites   | 203-770-8  | 110-46-3   |   |    |  |  |  | 247 |  |   |   |  |  |   |
|  |           |                    | Inorganic nitrites, with the exception of sodium nitrite  |            | 14797-65-0 |   |    |  |  |  | 248 |  |   |   |  |  |   |
| Nitrobenzene                                       | 202-716-0 | 98-95-3            | Nitrobenzene  | 202-716-0  | 98-95-3    | y |    |  |  |  | 249 |  | y | y |  |  |   |

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|--|-----------|------------------------|--|------------|------------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|-----|
|  |           |                        | Nitroresols and their alkali metal salts               |            | 12167-20-3             |   |  |  |  |  |  |  |  |  |  |  |  |  | 250 |
| Nitrofurantoin   | 200-646-5 | 67-20-9                | Nitrofurantoin (INN)                                   | 200-646-5  | 67-20-9                |   |  |  |  |  |  |  |  |  |  |  |  |  | 251 |
| Furazolidone   | 200-653-3 | 67-45-8                | Furazolidone (INN)                                     | 200-653-3  | 67-45-8                |   |  |  |  |  |  |  |  |  |  |  |  |  | 252 |
| Glycerol trinitrate  | 200-240-8 | 55-63-0                | Nitroglycerin; Propane-1,2,3-triyl trinitrate          | 200-240-8  | 55-63-0                | y |  |  |  |  |  |  |  |  |  |  |  |  | 253 |
| Acenocoumarol  | 205-807-3 | 152-72-7               | Acenocoumarol (INN)                                    | 205-807-3  | 152-72-7               |   |  |  |  |  |  |  |  |  |  |  |  |  | 254 |
| Disodium pentacyanonitrosylferrate   | 238-373-9 | 13755-38-9, 14402-89-2 | Alkali pentacyanonitrosylferrate (2-) e.g.             | 238-373-9, | 14402-89-2, 13755-38-9 |   |  |  |  |  |  |  |  |  |  |  |  |  | 255 |
| Nitroprusid sodný dihydrát   | 604-025-3 | 13755-38-9             | Alkali pentacyanonitrosylferrate (2-) e.g.             |            | 13755-38-9             |   |  |  |  |  |  |  |  |  |  |  |  |  | 255 |
|  |           |                        | Nitrostilbenes, their homologues and their derivatives |            |                        |   |  |  |  |  |  |  |  |  |  |  |  |  | 256 |
| Norepinephrine   | 200-096-6 | 51-41-2                | Noradrenaline and its salts                            | 200-096-6  | 51-41-2                |   |  |  |  |  |  |  |  |  |  |  |  |  | 257 |
| Noscapine  | 204-899-2 | 128-62-1               | Noscapine (INN) and its salts                          | 204-899-2  | 128-62-1               | y |  |  |  |  |  |  |  |  |  |  |  |  | 258 |
| Guanethidine   | 200-241-3 | 55-65-2                | Guanethidine (INN) and its salts                       | 200-241-3  | 55-65-2                |   |  |  |  |  |  |  |  |  |  |  |  |  | 259 |
|  |           |                        | Oestrogens   |            |                        |   |  |  |  |  |  |  |  |  |  |  |  |  | 260 |
| 16β-acetoxy-3β-(2,6-dideoxy-3-O-methyl-L-arabino-hexopyranosyloxy)-14-hydroxycard-20(22)-enolide | 207-361-5 | 465-16-7               | Oleandrin  | 207-361-5  | 465-16-7               |   |  |  |  |  |  |  |  |  |  |  |  |  | 261 |
| Chlortalidone  | 201-022-5 | 77-36-1                | Chlortalidone (INN)                                    | 201-022-5  | 77-36-1                |   |  |  |  |  |  |  |  |  |  |  |  |  | 262 |
| (R)-1-(2-piperidyl)acetone   | 220-673-6 | 2858-66-4              | Pelletierine and its salts                             | 220-673-6  | 2858-66-4              |   |  |  |  |  |  |  |  |  |  |  |  |  | 263 |
| Pelletierine   | 224-523-0 | 4396-01-4              | Pelletierine and its salts                             | 224-523-0  | 4396-01-4              |   |  |  |  |  |  |  |  |  |  |  |  |  | 263 |
| Pentachloroethane  | 200-925-1 | 76-01-7                | Pentachloroethane                                      | 200-925-1  | 76-01-7                |   |  |  |  |  |  |  |  |  |  |  |  |  | 264 |
| Pentaerithryl tetranitrate   | 201-084-3 | 78-11-5                | Pentaerithryl tetranitrate (INN)                       | 201-084-3  | 78-11-5                | y |  |  |  |  |  |  |  |  |  |  |  |  | 265 |
|  |           |                        | Petrichloral (INN)                                     |            | 78-12-6                |   |  |  |  |  |  |  |  |  |  |  |  |  | 266 |
| Octamylamine   | 207-947-0 | 502-59-0               | Octamylamine (INN) and its salts                       | 207-947-0  | 502-59-0               |   |  |  |  |  |  |  |  |  |  |  |  |  | 267 |
| Picric acid  | 201-865-9 | 88-89-1                | Picric acid  | 201-865-9  | 88-89-1                |   |  |  |  |  |  |  |  |  |  |  |  |  | 268 |
| Phenacemide  | 200-570-2 | 63-98-9                | Phenacemide (INN)                                      | 200-570-2  | 63-98-9                |   |  |  |  |  |  |  |  |  |  |  |  |  | 269 |
|  |           |                        | Difenclozazine (INN)                                   |            | 5617-26-5              |   |  |  |  |  |  |  |  |  |  |  |  |  | 270 |
| Phenindione  | 201-454-4 | 83-12-5                | 2-Phenylindan-1,3-dione (phenindione (INN))            | 201-454-4  | 83-12-5                |   |  |  |  |  |  |  |  |  |  |  |  |  | 271 |
| Ethylphenacemide   | 201-998-2 | 90-49-3                | Ethylphenacemide                                       | 201-998-2  | 90-49-3                |   |  |  |  |  |  |  |  |  |  |  |  |  | 272 |



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|--|-----------|-----------------------|--|------------|------------|---|--|--|--|--|---|--|--|--|--|--|--|--|-----|
|  |           |                       | (pheneturide (INN))  |            |            |   |  |  |  |  |   |  |  |  |  |  |  |  |     |
| Phenprocoumon  | 207-108-9 | 435-97-2              | Phenprocoumon (INN)  | 207-108-9  | 435-97-2   |   |  |  |  |  |   |  |  |  |  |  |  |  | 273 |
| Fenyramidol  | 209-044-7 | 553-69-5              | Fenyramidol (INN)  | 209-044-7  | 553-69-5   |   |  |  |  |  |   |  |  |  |  |  |  |  | 274 |
| Triamterene  | 206-904-3 | 396-01-0              | Triamterene (INN) and its salts  | 206-904-3  | 396-01-0   |   |  |  |  |  |   |  |  |  |  |  |  |  | 275 |
| TEPP   | 203-495-3 | 107-49-3              | Tetraethyl pyrophosphate (TEPP - ISO)  | 203-495-3  | 107-49-3   |   |  |  |  |  |   |  |  |  |  |  |  |  | 276 |
| Tris(methylphenyl) phosphate   | 215-548-8 | 1330-78-5             | Tritolyl phosphate   | 215-548-8  | 1330-78-5  |   |  |  |  |  |   |  |  |  |  |  |  |  | 277 |
| Reaction mass of 3-Methylphenyl di-4-methylphenyl Phosphate and 4-Methylphenyl di-3-methylphenyl Phosphate and tris(3-methylphenyl)phosphate | 809-930-9 | 1330-78-5             | Tritolyl phosphate   | 215-548-8  | 1330-78-5  | y |  |  |  |  |   |  |  |  |  |  |  |  | 277 |
| Psilocybine  | 208-294-4 | 520-52-5              | Psilocybine (INN)  | 208-294-4  | 520-52-5   |   |  |  |  |  |   |  |  |  |  |  |  |  | 278 |
| Phosphorus   | 231-768-7 | 7723-14-0, 12185-10-3 | Phosphorus and metal phosphides  | 231-768-7  | 7723-14-0  | y |  |  |  |  |   |  |  |  |  |  |  |  | 279 |
| Thalidomide  | 200-031-1 | 50-35-1               | Thalidomide (INN) and its salts  | 200-031-1  | 50-35-1    |   |  |  |  |  |   |  |  |  |  |  |  |  | 280 |
| Calabar bean, ext.   | 289-638-0 | 89958-15-6            | Physostigma venenosum Balf.  | 289-638-0  | 89958-15-6 |   |  |  |  |  |   |  |  |  |  |  |  |  | 281 |
| Picrotoxin   | 204-716-6 | 124-87-8              | Picrotoxin   | 204-716-6  | 124-87-8   |   |  |  |  |  |   |  |  |  |  |  |  |  | 282 |
| Pilocarpine  | 202-128-4 | 92-13-7               | Pilocarpine and its salts  | 202-128-4  | 92-13-7    |   |  |  |  |  |   |  |  |  |  |  |  |  | 283 |
|  |           |                       | $\alpha$ -Piperidin-2-ylbenzyl acetate, laevorotatory threoform (levofacetoperane (INN)) and its salts |            | 24558-01-8 |   |  |  |  |  |   |  |  |  |  |  |  |  | 284 |
| Pipradrol  | 207-394-5 | 467-60-7              | Pipradrol (INN) and its salts  | 207-394-5  | 467-60-7   |   |  |  |  |  |   |  |  |  |  |  |  |  | 285 |
| Azacyclonol  | 204-092-5 | 115-46-8              | Azacyclonol (INN) and its salts  | 204-092-5  | 115-46-8   | y |  |  |  |  |   |  |  |  |  |  |  |  | 286 |
| Bietamiverin   | 207-538-7 | 479-81-2              | Bietamiverine (INN)  | 207-538-7  | 479-81-2   |   |  |  |  |  |   |  |  |  |  |  |  |  | 287 |
| Butopiprine  | 259-848-7 | 55837-15-5            | Butopiprine (INN) and its salts  | 259-848-7  | 55837-15-5 |   |  |  |  |  |   |  |  |  |  |  |  |  | 288 |
| Lead monoxide  | 215-267-0 | 1317-36-8, 7439-92-1  | Lead (Pb), Lead and its compounds, Lead (Pb)   | 231-100-4, | 7439-92-1  | y |  |  |  |  | 9 |  |  |  |  |  |  |  | 289 |
| Lead   | 231-100-4 | 7439-92-1             | Lead (Pb), Lead and its compounds, Lead (Pb)   | 231-100-4, | 7439-92-1  | y |  |  |  |  | 9 |  |  |  |  |  |  |  | 289 |
| Coniine  | 207-282-6 | 458-88-8              | Coniine  | 207-282-6  | 458-88-8   |   |  |  |  |  |   |  |  |  |  |  |  |  | 290 |
| Cherry laurel, ext.  | 289-689-9 | 89997-54-6            | Prunus laurocerasus L. ('cherry laurel water')   | 289-689-9  | 89997-54-6 |   |  |  |  |  |   |  |  |  |  |  |  |  | 291 |

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|---------------------------------|-----------|------------|---|-----------|------------|---|--|--|--|-----|-----|--|--|--|--|---|
| Metyrapone                      | 200-206-2 | 54-36-4    | Metyrapone (INN)  | 200-206-2 | 54-36-4    |   |  |  |  | 292 |     |  |  |  |  |   |
|                                 |           |            | Radioactive substances, as defined by Directive 96/29/Euratom (1) laying down basic safety standards for the protection of the health of workers and the general public against the dangers arising from ionising radiation |           |            |   |  |  |  | 293 |     |  |  |  |  |   |
| Juniper, Juniperus sabina, ext. | 289-971-1 | 90046-04-1 | Juniperus sabina L. (leaves, essential oil and galenical preparations)  | 289-971-1 | 90046-04-1 |   |  |  |  | 294 |     |  |  |  |  |   |
| Hyoscine                        | 200-090-3 | 51-34-3    | Hyoscine, its salts and derivatives   | 200-090-3 | 51-34-3    | y |  |  |  | 295 |     |  |  |  |  |   |
|                                 |           |            | Gold salts  |           |            |   |  |  |  | 296 |     |  |  |  |  |   |
|                                 |           |            | Selenium (Se), Selenium and its compounds with the exception of selenium disulphide under the conditions set out under reference No 49 in Annex III, Selenium (Se)  |           |            |   |  |  |  | 10  | 297 |  |  |  |  | y |
| Solanum nigrum, ext.            | 284-555-6 | 84929-77-1 | Solanum nigrum L. and its galenical preparations  | 284-555-6 | 84929-77-1 |   |  |  |  |     | 298 |  |  |  |  |   |
| Sparteine                       | 201-988-8 | 90-39-1    | Sparteine (INN) and its salts   | 201-988-8 | 90-39-1    |   |  |  |  |     | 299 |  |  |  |  |   |
|                                 |           |            | Glucocorticoids (Corticosteroids)   |           |            |   |  |  |  |     | 300 |  |  |  |  |   |
| Datura stramonium, ext.         | 283-627-4 | 84696-08-2 | Datura stramonium L. and its galenical preparations   | 283-627-4 | 84696-08-2 |   |  |  |  |     | 301 |  |  |  |  |   |
|                                 |           |            | Strophantines, their aglucones and their respective derivatives   |           |            |   |  |  |  |     | 302 |  |  |  |  |   |
| Strophanthin                    | 234-239-9 | 11005-63-3 | Strophantus species and their galenical preparations  | 234-239-9 | 11005-63-3 |   |  |  |  |     | 303 |  |  |  |  |   |
|                                 |           |            | Strychnine and its salts  |           |            |   |  |  |  |     | 304 |  |  |  |  |   |
| Strychnine                      | 200-319-7 | 57-24-9    | Strychnos species and their galenical preparations  | 200-319-7 | 57-24-9    |   |  |  |  |     | 305 |  |  |  |  |   |
|                                 |           |            | Narcotics, natural and synthetic: All   |           |            |   |  |  |  |     | 306 |  |  |  |  |   |

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|----------------------------|-----------|-----------------------|---|------------|------------|---|--|--|--|--|--|--|--|---|--|--|--|-----|
|                            |           |                       | substances listed in Tables I and II of the single Convention on narcotic drugs signed in New York on 30 March 1961                               |            |            |   |  |  |  |  |  |  |  |   |  |  |  |     |
|                            |           |                       | Sulphonamides (sulphanilamide and its derivatives obtained by substitution of one or more H-atoms of the -NH <sub>2</sub> groups) and their salts |            |            |   |  |  |  |  |  |  |  |   |  |  |  | 307 |
| Sultiame                   | 200-511-0 | 61-56-3               | Sultiame (INN)  | 200-511-0  | 61-56-3    |   |  |  |  |  |  |  |  |   |  |  |  | 308 |
| Neodymium                  | 231-109-3 | 7440-00-8             | Neodymium and its salts   | 231-109-3  | 7440-00-8  | y |  |  |  |  |  |  |  |   |  |  |  | 309 |
| Thiotepa                   | 200-135-7 | 52-24-4               | Thiotepa (INN)  | 200-135-7  | 52-24-4    |   |  |  |  |  |  |  |  |   |  |  |  | 310 |
| Pilocarpus jaborandi, ext. | 283-649-4 | 84696-42-4            | Pilocarpus jaborandi Holmes and its galenical preparations  | 283-649-4  | 84696-42-4 |   |  |  |  |  |  |  |  |   |  |  |  | 311 |
| Tellurium                  | 236-813-4 | 13494-80-9            | Tellurium and its compounds   | 236-813-4  | 13494-80-9 | y |  |  |  |  |  |  |  |   |  |  |  | 312 |
| Xylometazoline             | 208-390-6 | 526-36-3              | Xylometazoline (INN) and its salts  | 208-390-6  | 526-36-3   |   |  |  |  |  |  |  |  |   |  |  |  | 313 |
| Tetrachloroethylene        | 204-825-9 | 127-18-4              | Tetrachloroethylene   | 204-825-9  | 127-18-4   | y |  |  |  |  |  |  |  | y |  |  |  | 314 |
| Carbon tetrachloride       | 200-262-8 | 56-23-5               | Carbon tetrachloride  | 200-262-8  | 56-23-5    | y |  |  |  |  |  |  |  | y |  |  |  | 315 |
| Hexaethyl tetraphosphate   | 212-057-0 | 757-58-4              | Hexaethyl tetraphosphate  | 212-057-0  | 757-58-4   |   |  |  |  |  |  |  |  |   |  |  |  | 316 |
| Thallium                   | 231-138-1 | 7440-28-0             | Thallium and its compounds, Thallium (Tl)   | 231-138-1, | 7440-28-0  |   |  |  |  |  |  |  |  |   |  |  |  | 317 |
| Thallium nitrate           | 233-273-1 | 7440-28-0, 10102-45-1 | Thallium and its compounds, Thallium (Tl)   | 231-138-1, | 7440-28-0  |   |  |  |  |  |  |  |  |   |  |  |  | 317 |
| Yellow oleander, ext.      | 290-446-4 | 90147-54-9            | Thevetia neriifolia Juss., glycoside extract  | 290-446-4  | 90147-54-9 |   |  |  |  |  |  |  |  |   |  |  |  | 318 |
| Ethionamide                | 208-628-9 | 536-33-4              | Ethionamide (INN)   | 208-628-9  | 536-33-4   |   |  |  |  |  |  |  |  |   |  |  |  | 319 |
| Phenothiazine              | 202-196-5 | 92-84-2               | Phenothiazine (INN) and its compounds   | 202-196-5  | 92-84-2    | y |  |  |  |  |  |  |  |   |  |  |  | 320 |
| Thiourea                   | 200-543-5 | 62-56-6               | Thiourea and its derivatives, with the exception of the one listed in Annex III   | 200-543-5  | 62-56-6    | y |  |  |  |  |  |  |  |   |  |  |  | 321 |
| Mephesisin                 | 200-427-4 | 59-47-2               | Mephesisin (INN) and its esters   | 200-427-4  | 59-47-2    |   |  |  |  |  |  |  |  |   |  |  |  | 322 |
|                            |           |                       | Vaccines, toxins or serums defined as immunological medicinal products pursuant to Article 1(4) of  |            |            |   |  |  |  |  |  |  |  |   |  |  |  | 323 |

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|--|-----------|------------|--|-----------|------------|---|--|--|--|--|--|-----|--|---|--|---|--|---|---|
|  |           |            | Directive 2001/83/EC   |           |            |   |  |  |  |  |  |     |  |   |  |   |  |   |   |
| Tranlycypromine                        | 205-841-9 | 155-09-9   | Tranlycypromine (INN) and its salts                              | 205-841-9 | 155-09-9   |   |  |  |  |  |  | 324 |  |   |  |   |  |   |   |
| Trichloronitromethane                  | 200-930-9 | 76-06-2    | Trichloronitromethane (chloropicrine)                            | 200-930-9 | 76-06-2    |   |  |  |  |  |  | 325 |  |   |  |   |  | y |   |
| 2,2,2-tribromoethanol                  | 200-903-1 | 75-80-9    | 2,2,2-Tribromoethanol (tribromoethyl alcohol)                    | 200-903-1 | 75-80-9    |   |  |  |  |  |  | 326 |  |   |  |   |  |   |   |
| Tris(2-chloroethyl)amine hydrochloride | 212-442-3 | 817-09-4   | Trichlormethine (INN) and its salts                              | 212-442-3 | 817-09-4   |   |  |  |  |  |  | 327 |  |   |  |   |  |   |   |
| Tretamine                              | 200-083-5 | 51-18-3    | Tretamine (INN)  | 200-083-5 | 51-18-3    |   |  |  |  |  |  | 328 |  |   |  |   |  |   |   |
| Gallamine triethiodide                 | 200-605-1 | 65-29-2    | Gallamine triethiodide (INN)                                     | 200-605-1 | 65-29-2    |   |  |  |  |  |  | 329 |  |   |  |   |  |   |   |
| Urginea maritima, ext.                 | 283-520-2 | 84650-62-4 | Urginea scilla Steinh. and its galenical preparations            | 283-520-2 | 84650-62-4 |   |  |  |  |  |  | 330 |  |   |  |   |  |   |   |
| sabadilla (ISO)                        | 617-100-0 | 8051-02-3  | Veratrine, its salts and galenical preparations                  |           | 8051-02-3  |   |  |  |  |  |  | 331 |  |   |  |   |  | y |   |
| Schoenocaulon officinale, ext.         | 283-296-6 | 84604-18-2 | Schoenocaulon officinale Lind (seeds and galenical preparations) | 283-296-6 | 84604-18-2 |   |  |  |  |  |  | 332 |  |   |  |   |  |   |   |
| Veratrum album, ext.                   | 290-407-1 | 90131-91-2 | Veratrum spp. and their preparations                             | 290-407-1 | 90131-91-2 |   |  |  |  |  |  | 333 |  |   |  |   |  |   |   |
| Chloroethylene                         | 200-831-0 | 75-01-4    | Vinyl chloride monomer   | 200-831-0 | 75-01-4    | y |  |  |  |  |  | 334 |  | y |  |   |  |   |   |
| Ergocalciferol                         | 200-014-9 | 50-14-6    | Ergocalciferol (INN) and cholecalciferol (vitamins D2 and D3)    | 200-014-9 | 50-14-6    |   |  |  |  |  |  | 335 |  |   |  |   |  |   |   |
| Colecalciferol                         | 200-673-2 | 67-97-0    | Ergocalciferol (INN) and cholecalciferol (vitamins D2 and D3)    | 200-673-2 | 67-97-0    |   |  |  |  |  |  | 335 |  |   |  |   |  |   |   |
|  |           |            | Salts of O-alkyldithiocarbonic acids (xanthates)                 |           |            |   |  |  |  |  |  | 336 |  |   |  |   |  |   |   |
| Yohimbine                              | 205-672-0 | 146-48-5   | Yohimbine and its salts  | 205-672-0 | 146-48-5   |   |  |  |  |  |  | 337 |  |   |  |   |  |   |   |
| Dimethyl sulfoxide                     | 200-664-3 | 67-68-5    | Dimethyl sulfoxide (INN)   | 200-664-3 | 67-68-5    | y |  |  |  |  |  | 338 |  |   |  |   |  |   |   |
| Diphenhydramine                        | 200-396-7 | 58-73-1    | Diphenhydramine (INN) and its salts                              | 200-396-7 | 58-73-1    | y |  |  |  |  |  | 339 |  |   |  |   |  |   |   |
| 4-tert-butylphenol                     | 202-679-0 | 98-54-4    | 4-tert-Butylphenol   | 202-679-0 | 98-54-4    | y |  |  |  |  |  | 340 |  |   |  | y |  | y |   |
| 4-tert-butylpyrocatechol               | 202-653-9 | 98-29-3    | 4-tert-Butylpyrocatechol   | 202-653-9 | 98-29-3    | y |  |  |  |  |  | 341 |  |   |  |   |  |   |   |
| Dihydrotachysterol                     | 200-672-7 | 67-96-9    | Dihydrotachysterol (INN)   | 200-672-7 | 67-96-9    |   |  |  |  |  |  | 342 |  |   |  |   |  |   |   |
| 1,4-dioxane                            | 204-661-8 | 123-91-1   | Dioxane  | 204-661-8 | 123-91-1   | y |  |  |  |  |  | 343 |  | y |  |   |  | y |   |
| Morpholine                             | 203-815-1 | 110-91-8   | Morpholine and its salts   | 203-815-1 | 110-91-8   | y |  |  |  |  |  | 344 |  |   |  |   |  |   | y |
|  |           |            | Pyrethrum album L. and its galenical preparations                |           |            |   |  |  |  |  |  | 345 |  |   |  |   |  |   |   |

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|---|-----------|----------|--|-----------|-----------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|-----|
| Mepyramine maleate                          | 200-422-7 | 59-33-6  | 2-[4-Methoxybenzyl-N-(2-pyridyl)amino]ethyl dimethylamine maleate (Mepyramine maleate; pyrilamine maleate)   | 200-422-7 | 59-33-6   |   |  |  |  |  |  |  |  |  |  |  |  |  |  | 346 |
| Tripeleennamine                             | 202-100-1 | 91-81-6  | Tripeleennamine (INN)  | 202-100-1 | 91-81-6   |   |  |  |  |  |  |  |  |  |  |  |  |  |  | 347 |
|   |           |          | Tetrachlorosalicylanilides   |           | 7426-07-5 |   |  |  |  |  |  |  |  |  |  |  |  |  |  | 348 |
|   |           |          | Dichlorosalicylanilides  |           | 1147-98-4 |   |  |  |  |  |  |  |  |  |  |  |  |  |  | 349 |
|   |           |          | Tetrabromosalicylanilides  |           |           |   |  |  |  |  |  |  |  |  |  |  |  |  |  | 350 |
|   |           |          | Dibromosalicylanilides   |           |           |   |  |  |  |  |  |  |  |  |  |  |  |  |  | 351 |
| Bithionol                                   | 202-565-0 | 97-18-7  | Bithionol (INN)  | 202-565-0 | 97-18-7   |   |  |  |  |  |  |  |  |  |  |  |  |  |  | 352 |
| Tetramethylthiuram monosulphide             | 202-605-7 | 97-74-5  | Thiuram monosulphides  | 202-605-7 | 97-74-5   | y |  |  |  |  |  |  |  |  |  |  |  |  |  | 353 |
| N,N-dimethylformamide                       | 200-679-5 | 68-12-2  | Dimethylformamide (N,N-Dimethylformamide)  | 200-679-5 | 68-12-2   | y |  |  |  |  |  |  |  |  |  |  |  |  |  | 355 |
| 4-phenylbutenone                            | 204-555-1 | 122-57-6 | 4-Phenylbut-3-en-2-one (Benzylidene acetone)   | 204-555-1 | 122-57-6  | y |  |  |  |  |  |  |  |  |  |  |  |  |  | 356 |
|   |           |          | Benzoates of 4-hydroxy-3-methoxycinnamyl alcohol (coniferyl alcohol) except for normal content in natural essences used  |           |           |   |  |  |  |  |  |  |  |  |  |  |  |  |  | 357 |
| 9-methoxyfuro[3,2-g]chromen-7-one           | 206-066-9 | 298-81-7 | Furocoumarins (e. g. trioxysalen (INN), 8-methoxypsoralen, 5-methoxypsoralen) except for normal content in natural essences used. In sun protection and in bronzing products, furocoumarins shall be below 1 mg/kg | 206-066-9 | 298-81-7  |   |  |  |  |  |  |  |  |  |  |  |  |  |  | 358 |
| 4-methoxy-7H-furo[3,2-g][1]benzopyran-7-one | 207-604-5 | 484-20-8 | Furocoumarins (e. g. trioxysalen (INN), 8-methoxypsoralen, 5-methoxypsoralen) except for normal content in natural essences used. In sun   | 207-604-5 | 484-20-8  |   |  |  |  |  |  |  |  |  |  |  |  |  |  | 358 |

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|--|-----------|----------------------------------|--|-----------|------------|---|--|--|--|--|-----|--|---|--|--|--|--|
|  |           |                                  | protection and in bronzing products, furocoumarins shall be below 1 mg/kg  |           |            |   |  |  |  |  |     |  |   |  |  |  |  |
| Trioxysalen  | 223-459-0 | 3902-71-4                        | Furocoumarins (e. g. trioxysalen (INN), 8-methoxypsoralen, 5-methoxypsoralen) except for normal content in natural essences used. In sun protection and in bronzing products, furocoumarins shall be below 1 mg/kg   | 223-459-0 | 3902-71-4  |   |  |  |  |  | 358 |  |   |  |  |  |  |
| Laurus nobilis, ext.   | 283-272-5 | 8002-41-3, 8007-48-5, 84603-73-6 | Oil from the seeds of Laurus nobilis L.  | 283-272-5 | 84603-73-6 | y |  |  |  |  | 359 |  |   |  |  |  |  |
| 5-allyl-1,3-benzodioxole   | 202-345-4 | 94-59-7                          | Safrole except for normal content in the natural essences used and provided the concentration does not exceed: 100 ppm in the finished product, 50 ppm in products for dental and oral hygiene, and provided that Safrole is not present in toothpastes intended specifically for children | 202-345-4 | 94-59-7    |   |  |  |  |  | 360 |  | y |  |  |  |  |
| 5,5'-diisopropyl-2,2'-dimethylbiphenyl-4,4'-diyl dihydroiodide     | 209-007-5 | 552-22-7                         | 5,5'-Diisopropyl-2,2'-dimethylbiphenyl-4,4'-diyl dihydroiodide (thymol iodide)   | 209-007-5 | 552-22-7   |   |  |  |  |  | 361 |  |   |  |  |  |  |
| 7-acetyl-6-ethyl-1,2,3,4-tetrahydro-1,1,4,4-tetramethylnaphthalene | 201-817-7 | 88-29-9                          | 3'-Ethyl-5',6',7',8'-tetrahydro-5',5',8',8'-tetramethyl-2'-acetone naphthalene or 7-acetyl-6-ethyl-1,1,4,4-tetramethyl-1,2,3,4-tetrahydronaphthalene (AETT; Versalide)   | 201-817-7 | 88-29-9    |   |  |  |  |  | 362 |  |   |  |  |  |  |

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|---|-----------|------------|--|------------|------------|---|----|--|--|-----|---|---|---|---|
| o-phenylenediamine  | 202-430-6 | 95-54-5    | o-Phenylenediamine and its salts   | 202-430-6  | 95-54-5    | y |    |  |  | 363 | y | y |   | y |
| 4-methyl-m-phenylenediamine   | 202-453-1 | 95-80-7    | 4-methyl-m-phenylenediamine, 4-Methyl-m-phenylenediamine (Toluene-2,4-diamine) and its salts, 4-Methyl-mphenylenediamine | 202-453-1, | 95-80-7    | y | 18 |  |  | 364 | y | y | y | y |
| 8-methoxy-3,4-methylenedioxy-10-nitrophenanthrene-1-carboxylic acid | 206-238-3 | 313-67-7   | Aristolochic acid and its salts; Aristolochia spp. and their preparations  | 206-238-3  | 313-67-7   |   |    |  |  | 365 |   |   |   |   |
| 6-nitrophenanthro[3,4-d]-1,3-dioxole-5-carboxylic acid              | 207-499-6 | 475-80-9   | Aristolochic acid and its salts; Aristolochia spp. and their preparations  | 202-499-6  | 475-80-9   |   |    |  |  | 365 |   |   |   |   |
|   |           |            | Aristolochic acid and its salts; Aristolochia spp. and their preparations  |            | 15918-62-4 |   |    |  |  | 365 |   |   |   |   |
| Chloroform  | 200-663-8 | 67-66-3    | Chloroform   | 200-663-8  | 67-66-3    | y |    |  |  | 366 |   | y | y | y |
| 2,3,7,8-tetrachlorodibenzo[b,e][1,4]dioxin                          | 217-122-7 | 1746-01-6  | 2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)   | 217-122-7  | 1746-01-6  |   |    |  |  | 367 |   |   |   |   |
| 2,6-dimethyl-1,3-dioxan-4-yl acetate                                | 212-579-9 | 828-00-2   | 2,6-Dimethyl-1,3-dioxan-4-yl acetate (Dimethoxane)   | 212-579-9  | 828-00-2   |   |    |  |  | 368 |   |   |   |   |
| Pyridine-2-thiol 1-oxide, sodium salt                               | 223-296-5 | 3811-73-2  | Pyrithione sodium (INN) (2)  | 223-296-5  | 3811-73-2  | y |    |  |  | 369 |   |   |   |   |
| Captan  | 205-087-0 | 133-06-2   | N-(Trichloromethylthio)-4-cyclohexene-1,2-dicarboximide (Captan - ISO)   | 205-087-0  | 133-06-2   | y |    |  |  | 370 | y | y |   | y |
| Hexachlorophene   | 200-733-8 | 70-30-4    | 2,2'-Dihydroxy-3,3',5,5',6,6'-hexachlorodiphenylmethane (Hexachlorophene (INN))  | 200-733-8  | 70-30-4    |   |    |  |  | 371 |   |   |   |   |
| Minoxidil   | 253-874-2 | 38304-91-5 | 6-(Piperidinyl)-2,4-pyrimidinediamine 3-oxide (Minoxidil (INN)) and its salts  | 253-874-2  | 38304-91-5 |   |    |  |  | 372 |   |   |   |   |
| Tribromosalan   | 201-723-6 | 87-10-5    | 3,4',5-Tribromosalicylanilide (Tribromosalan (INN))  | 201-723-6  | 87-10-5    |   |    |  |  | 373 |   |   |   |   |

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|---|-----------|------------|---|------------|------------|--|--|--|----|--|----|-----|--|--|--|---|--|---|
| [No public or meaningful name is available]   | 683-197-1 | 65497-07-6 | Phytolacca spp. and their preparations  |            | 65497-07-6 |  |  |  |    |  |    | 374 |  |  |  |   |  |   |
|   |           |            | Phytolacca spp. and their preparations  |            | 60820-94-2 |  |  |  |    |  |    | 374 |  |  |  |   |  |   |
| Tretinoin   | 206-129-0 | 302-79-4   | Tretinoin (INN) (retinoic acid and its salts)   | 206-129-0  | 302-79-4   |  |  |  |    |  |    | 375 |  |  |  |   |  |   |
| 4-methoxy-m-phenylenediamine  | 210-406-1 | 615-05-4   | 4-methoxy-m-phenylenediamine, 1-Methoxy-2,4-diaminobenzene (2,4-diaminoanisole - CI 76050) and its salts, 4-Methoxy-mphenylenediamine | 210-406-1, | 615-05-4   |  |  |  | 14 |  |    | 376 |  |  |  | y |  | y |
| 2,5-diaminoanisole  | 226-161-9 | 5307-02-8  | 1-Methoxy-2,5-diaminobenzene (2,5-diaminoanisole) and its salts   | 226-161-9  | 5307-02-8  |  |  |  |    |  |    | 377 |  |  |  |   |  |   |
| 1-(2,4-dimethylphenylazo)-2-naphthol  | 221-490-4 | 3118-97-6  | Colouring agent CI 12140, Solvent Orange 7  | 221-490-4, | 3118-97-6  |  |  |  | y  |  | 29 | 378 |  |  |  |   |  |   |
| 1-(2-methyl-4-(2-methylphenylazo)phenylazo)-2-naphthol  | 201-635-8 | 85-83-6    | Colouring agent CI 26105 (Solvent Red 24), Solvent Red 24   | 201-635-8, | 85-83-6    |  |  |  | y  |  | 30 | 379 |  |  |  |   |  |   |
| p,p',p''-tris(dimethylamino)trityl alcohol  | 207-396-6 | 467-63-0   | Colouring agent CI 42555 (Basic Violet 3) Colouring agent CI 42555:1 Colouring agent CI 42555:2, Solvent Violet 9                     | 207-396-6, | 467-63-0   |  |  |  |    |  | 32 | 380 |  |  |  |   |  |   |
| [4-[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride | 208-953-6 | 548-62-9   | Colouring agent CI 42555 (Basic Violet 3) Colouring agent CI 42555:1 Colouring agent CI 42555:2, Basic Violet 3                       | 208-953-6, | 548-62-9   |  |  |  | y  |  | 12 | 380 |  |  |  | y |  | y |
| Pentyl 4-(dimethylamino)benzoate  | 238-849-6 | 14779-78-3 | Amyl 4-dimethylamino benzoate, mixed isomers (Padimate A (INN))   | 238-849-6  | 14779-78-3 |  |  |  |    |  |    | 381 |  |  |  |   |  |   |
| 2-amino-4-nitrophenol   | 202-767-9 | 99-57-0    | 2-Amino-4-nitrophenol   | 202-767-9  | 99-57-0    |  |  |  | y  |  |    | 383 |  |  |  |   |  |   |
| 2-amino-5-nitrophenol   | 204-503-8 | 121-88-0   | 2-Amino-5-nitrophenol   | 204-503-8  | 121-88-0   |  |  |  | y  |  |    | 384 |  |  |  |   |  |   |
| 11- $\alpha$ -hydroxypregn-4-ene-3,20-dione   | 201-306-9 | 80-75-1    | 11- $\alpha$ -Hydroxypregn-4-ene-3,20-dione and its esters  | 201-306-9  | 80-75-1    |  |  |  |    |  |    | 385 |  |  |  |   |  |   |



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|--|-----------|-----------------------------------|---|------------|------------|---|--|--|--|----|--|-----|--|---|--|--|--|--|
| [4-[[4-(dimethylamino)phenyl][4-[ethyl(3-sulphonatobenzyl)amino]phenyl]methylene]cyclohexa-2,5-dien-1-ylidene](ethyl)(3-sulphonatobenzyl)ammonium, sodium salt | 216-901-9 | 1694-09-3                         | Colouring agent CI 42640 ([4-[[4-(Dimethylamino)phenyl][4-[ethyl(3-sulphonatobenzyl)amino]phenyl]methylene]cyclohexa-2,5-dien-1-ylidene](ethyl)(3-sulphonatobenzyl)ammonium, sodium salt), Acid Violet 49   | 216-901-9, | 1694-09-3  |   |  |  |  | 4  |  | 386 |  | y |  |  |  |  |
| Sodium 3-(p-anilinophenylazo)benzenesulphonate   | 209-608-2 | 587-98-4                          | Colouring agent CI 13065, Acid Yellow 36  | 209-608-2, | 587-98-4   | y |  |  |  | 5  |  | 387 |  |   |  |  |  |  |
| Basic Violet 1   | 616-846-4 | 8004-87-3                         | Basic Violet 1, Colouring agent CI 42535 (Basic Violet 1)   |            | 8004-87-3  |   |  |  |  | 10 |  | 388 |  |   |  |  |  |  |
| 1,4-bis(butylamino)anthraquinone   | 241-379-4 | 17354-14-2                        | Colouring agent CI 61554 (Solvent Blue 35), Solvent Blue 35   | 241-379-4, | 17354-14-2 | y |  |  |  | 28 |  | 389 |  |   |  |  |  |  |
|  |           |                                   | Anti-androgens of steroidal structure   |            |            |   |  |  |  |    |  | 390 |  |   |  |  |  |  |
| Zirconium  | 231-176-9 | 7440-67-7                         | Zirconium and its compounds, with the exception of the substances listed under reference number 50 in Annex III, and the zirconium lakes, pigments or salts of the colouring agents when listed in Annex IV | 231-176-9  | 7440-67-7  | y |  |  |  |    |  | 391 |  |   |  |  |  |  |
| Zirconium dinitrate oxide  | 237-529-3 | 7440-67-7, 13826-66-9, 14985-18-3 | Zirconium and its compounds, with the exception of the substances listed under reference number 50 in Annex III, and the zirconium lakes, pigments or salts of the colouring agents when listed in Annex IV | 231-176-9  | 7440-67-7  | y |  |  |  |    |  | 391 |  |   |  |  |  |  |
| zirconium powder (non pyrophoric)  | -         | -                                 | Zirconium and its compounds, with the exception of the substances   | 231-176-9  | 7440-67-7  |   |  |  |  |    |  | 391 |  |   |  |  |  |  |

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|---|-----------|-----------------------|---|-------------|------------|---|--|--|----|--|--|-----|--|--|--|--|--|---|
|   |           |                       | listed under reference number 50 in Annex III, and the zirconium lakes, pigments or salts of the colouring agents when listed in Annex IV           |             |            |   |  |  |    |  |  |     |  |  |  |  |  |   |
| Acetonitrile  | 200-835-2 | 75-05-8               | Acetonitrile  | 200-835-2   | 75-05-8    | y |  |  |    |  |  | 393 |  |  |  |  |  | y |
| Tetryzoline   | 201-522-3 | 84-22-0               | Tetrahydrozoline (Tetryzoline (INN)) and its salts  | 201-522-3   | 84-22-0    |   |  |  |    |  |  | 394 |  |  |  |  |  |   |
| Bis(8-hydroxyquinolinium) sulphate                                      | 205-137-1 | 134-31-6, 207386-91-2 | Hydroxy-8-quinoline and its sulphate, except for the uses provided for in No 51 in Annex III, Quinolin-8-ol and bis (8-hydroxyquinolinium) sulphate | 205-137-1   | 134-31-6   |   |  |  |    |  |  | 395 |  |  |  |  |  |   |
| Quinolin-8-ol   | 205-711-1 | 148-24-3              | Hydroxy-8-quinoline and its sulphate, except for the uses provided for in No 51 in Annex III, Quinolin-8-ol and bis (8-hydroxyquinolinium) sulphate | 205-711-1   | 148-24-3   | y |  |  |    |  |  | 395 |  |  |  |  |  |   |
| [2,2'-dithiobis[pyridine] 1,1'-dioxide-O,O',S][sulphato(2-)-O]magnesium | 256-115-3 | 43143-11-9            | Dithio-2,2-bispyridine-dioxide 1,1' (additive with trihydrated magnesium sulphate) - (pyrithione disulphide + magnesium sulphate)                   | 256-115-3   | 43143-11-9 |   |  |  |    |  |  | 396 |  |  |  |  |  |   |
| 1-[(2,4-dinitrophenyl)azo]-2-naphthol                                   | 222-429-4 | 3468-63-1             | Colouring agent CI 12075 (Pigment Orange 5) and its lakes, pigments and salts, Pigment Orange 5 , Pigment orange 5                                  | 222-429-4,  | 3468-63-1  | y |  |  | 24 |  |  | 397 |  |  |  |  |  | y |
|   |           |                       | Pigment Orange 5 , Colouring agent CI 12075 (Pigment Orange 5) and its lakes, pigments and salts, Pigment orange 5                                  | , 222-429-4 | 3468-63-1  |   |  |  | 24 |  |  | 397 |  |  |  |  |  | y |
| 9-(2-carboxyphenyl)-3,6-bis(diethyla                                    | 201-383-9 | 81-88-9               | Colouring agent CI 45170 and CI 45170:1   | 201-383-9,  | 81-88-9    |   |  |  | 11 |  |  | 398 |  |  |  |  |  | y |

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|---|-----------|------------|---|------------|------------|---|--|--|----|--|--|--|-----|--|---|--|---|---|
| mino)xanthylum chloride   |           |            | (Basic Violet 10), Basic Violet 10, Basic violet 10   |            |            |   |  |  |    |  |  |  |     |  |   |  |   |   |
| 3',6'-bis(diethylamino)spiro[isobenzofuran-1(3H),9'-[9H]xanthene]-3-one | 208-096-8 | 509-34-2   | Colouring agent CI 45170 and CI 45170:1 (Basic Violet 10), Solvent Red 49   | 208-096-8, | 509-34-2   | y |  |  | 31 |  |  |  | 398 |  |   |  |   |   |
| Lidocaine   | 205-302-8 | 137-58-6   | Lidocaine (INN)   | 205-302-8  | 137-58-6   |   |  |  |    |  |  |  | 399 |  |   |  |   |   |
| 1,2-epoxybutane   | 203-438-2 | 106-88-7   | 1,2-Epoxybutane   | 203-438-2  | 106-88-7   | y |  |  |    |  |  |  | 400 |  | y |  | y |   |
| Sodium 2-chloro-5-[(2-hydroxy-1-naphthyl)azo]toluene-4-sulphonate]      | 218-248-5 | 2092-56-0  | Colouring agent CI 15585, Pigment Red 53, Pigment red 53  | 218-248-5, | 2092-56-0  |   |  |  | 25 |  |  |  | 401 |  |   |  |   | y |
| Barium bis[2-chloro-5-(2-hydroxy-1-naphthyl)azo]toluene-4-sulphonate]   | 225-935-3 | 5160-02-1  | Colouring agent CI 15585, Pigment red 53:1  | 225-935-3, | 5160-02-1  | y |  |  |    |  |  |  | 401 |  |   |  |   | y |
| Strontium dilactate   | 249-915-9 | 29870-99-3 | Strontium lactate   | 249-915-9  | 29870-99-3 |   |  |  |    |  |  |  | 402 |  |   |  |   |   |
| Strontium nitrate   | 233-131-9 | 10042-76-9 | Strontium nitrate   | 233-131-9  | 10042-76-9 | y |  |  |    |  |  |  | 403 |  |   |  |   |   |
|   |           |            | Strontium polycarboxylate   |            |            |   |  |  |    |  |  |  | 404 |  |   |  |   |   |
| Pramocaine  | 205-425-7 | 140-65-8   | Pramocaine (INN)  | 205-425-7  | 140-65-8   |   |  |  |    |  |  |  | 405 |  |   |  |   |   |
|   |           |            | 4-Ethoxy-m-phenylenediamine and its salts   |            | 5862-77-1  |   |  |  |    |  |  |  | 406 |  |   |  |   |   |
|   |           |            | 2,4-Diaminophenyl ethanol and its salts   |            | 14572-93-1 |   |  |  |    |  |  |  | 407 |  |   |  |   |   |
| Pyrocatechol  | 204-427-5 | 120-80-9   | Pyrocatechol (Catechol)   | 204-427-5  | 120-80-9   | y |  |  |    |  |  |  | 408 |  |   |  | y |   |
| Pyrogallol  | 201-762-9 | 87-66-1    | Pyrogallol  | 201-762-9  | 87-66-1    |   |  |  |    |  |  |  | 409 |  | y |  |   |   |
| Dimethylnitrosoamine  | 200-549-8 | 62-75-9    | Nitrosamines e.g. Dimethylnitrosoamine; Nitrosodipropylamine; 2,2'-Nitrosoimino)bisethanol, Nitrosodimethylamine  | 200-549-8, | 62-75-9    |   |  |  |    |  |  |  | 410 |  | y |  |   | y |
| Nitrosodipropylamine  | 210-698-0 | 621-64-7   | Nitrosamines e.g. Dimethylnitrosoamine; Nitrosodipropylamine; 2,2'-Nitrosoimino)bisethanol                        | 210-698-0  | 621-64-7   |   |  |  |    |  |  |  | 410 |  | y |  |   |   |
| 2,2'-(nitrosoimino)bisethanol   | 214-237-4 | 1116-54-7  | Nitrosamines e.g. Dimethylnitrosoamine; Nitrosodipropylamine; 2,2'-Nitrosoimino)bisethanol, Nitrosodiethanolamine | 214-237-4, | 1116-54-7  |   |  |  |    |  |  |  | 410 |  | y |  |   | y |

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|---|-----------|------------|--|-----------|------------|---|--|--|--|--|--|--|---------|---|--|---|---|--|--|
|   |           |            | Secondary alkyl- and alkanolamines and their salts   |           |            |   |  |  |  |  |  |  | 41<br>1 |   |  |   |   |  |  |
| 4-amino-2-nitrophenol                           | 204-316-1 | 119-34-6   | 4-Amino-2-nitrophenol  | 204-316-1 | 119-34-6   |   |  |  |  |  |  |  | 41<br>2 |   |  |   |   |  |  |
| 2-methyl-m-phenylenediamine                     | 212-513-9 | 823-40-5   | 2-Methyl-m-phenylenediamine (Toluene-2,6-diamine)  | 212-513-9 | 823-40-5   |   |  |  |  |  |  |  | 41<br>3 | y |  | y |   |  |  |
| 4-tert-butyl-3-methoxy-2,6-dinitrotoluene       | 201-493-7 | 83-66-9    | 4-tert.-Butyl-3-methoxy-2,6-dinitrotoluene (Musk Ambrette)   | 201-493-7 | 83-66-9    |   |  |  |  |  |  |  | 41<br>4 |   |  |   |   |  |  |
|   |           |            | Cells, tissues or products of human origin   |           |            |   |  |  |  |  |  |  | 41<br>6 |   |  |   |   |  |  |
| Phenolphthalein                                 | 201-004-7 | 77-09-8    | 3,3-Bis(4-hydroxyphenyl)phthalide (Phenolphthalein (INN))  | 201-004-7 | 77-09-8    | y |  |  |  |  |  |  | 41<br>7 |   |  | y | y |  |  |
| 3-imidazol-4-ylacrylic acid                     | 203-258-4 | 104-98-3   | 3-Imidazol-4-ylacrylic acid (Urocanic acid) and its ethyl ester  | 203-258-4 | 104-98-3   |   |  |  |  |  |  |  | 41<br>8 |   |  |   |   |  |  |
| Ethyl 3-(1H-imidazol-4-yl)acrylate              | 248-515-1 | 27538-35-8 | 3-Imidazol-4-ylacrylic acid (Urocanic acid) and its ethyl ester  | 248-515-1 | 27538-35-8 |   |  |  |  |  |  |  | 41<br>8 |   |  |   |   |  |  |
|   |           |            | Category 1 material and Category 2 material as defined in Articles 4 and 5 respectively of Regulation (EC) No 1774/2002 of the European Parliament and of the Council (3), and ingredients derived therefrom |           |            |   |  |  |  |  |  |  | 41<br>9 |   |  |   |   |  |  |
| Tar, coal                                       | 232-361-7 | 8007-45-2  | Crude and refined coal tars  | 232-361-7 | 8007-45-2  |   |  |  |  |  |  |  | 42<br>0 |   |  | y |   |  |  |
| 1,1,3,3,5-pentamethyl-4,6-dinitroindane         | 204-149-4 | 116-66-5   | 1,1,3,3,5-Pentamethyl-4,6-dinitroindane (Moskene)  | 204-149-4 | 116-66-5   |   |  |  |  |  |  |  | 42<br>1 |   |  |   |   |  |  |
| 1-tert-butyl-3,4,5-trimethyl-2,6-dinitrobenzene | 205-651-6 | 145-39-1   | 5-tert.-Butyl-1,2,3-trimethyl-4,6-dinitrobenzene (Musk Tibetene)   | 205-651-6 | 145-39-1   |   |  |  |  |  |  |  | 42<br>2 |   |  |   |   |  |  |
| [No public or meaningful name is available]     | 639-634-3 | 97676-35-2 | Alanroot oil (Inula helenium L.), when used as a fragrance ingredient  |           | 97676-35-2 |   |  |  |  |  |  |  | 42<br>3 |   |  |   |   |  |  |
| Phenylacetone nitrile                           | 205-410-5 | 140-29-4   | Benzyl cyanide, when used as a fragrance ingredient  | 205-410-5 | 140-29-4   | y |  |  |  |  |  |  | 42<br>4 |   |  |   |   |  |  |
| 3-(p-cumenyl)-2-                                | 225-289-2 | 4756-19-8  | Cyclamen alcohol, when   | 225-289-2 | 4756-19-8  |   |  |  |  |  |  |  | 42<br>5 |   |  |   |   |  |  |

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|  |               |                                   |  |               |                |   |  |  |  |  |  |  |  |  |  |  |  |         |
|--|---------------|-----------------------------------|--|---------------|----------------|---|--|--|--|--|--|--|--|--|--|--|--|---------|
| methylpropa<br>nol                                   |               |                                   | used as a<br>fragrance<br>ingredient   |               |                |   |  |  |  |  |  |  |  |  |  |  |  |         |
| Diethyl<br>maleate                                   | 205-<br>451-9 | 141-05-<br>9                      | Diethyl<br>maleate, when<br>used as a<br>fragrance<br>ingredient   | 205-<br>451-9 | 141-05-<br>9   | y |  |  |  |  |  |  |  |  |  |  |  | 42<br>6 |
| 3,4-<br>dihydrocoum<br>arin                          | 204-<br>354-9 | 119-84-<br>6                      | 3,4-<br>Dihydrocouma<br>rin, when used<br>as a fragrance<br>ingredient   | 204-<br>354-9 | 119-84-<br>6   |   |  |  |  |  |  |  |  |  |  |  |  | 42<br>7 |
| 2,4-<br>dihydroxy-3-<br>methylbenza<br>ldehyde       | 228-<br>369-5 | 6248-<br>20-0                     | 2,4-<br>Dihydroxy-3-<br>methylbenzald<br>ehyde, when<br>used as a<br>fragrance<br>ingredient                                     | 228-<br>369-5 | 6248-<br>20-0  |   |  |  |  |  |  |  |  |  |  |  |  | 42<br>8 |
| 3,7-<br>dimethyloct-<br>2-en-1-ol                    | 254-<br>999-5 | 40607-<br>48-5                    | 3,7-Dimethyl-<br>2-octen-1-ol<br>(6,7-<br>Dihydrogerani<br>ol), when used<br>as a fragrance<br>ingredient                        | 254-<br>999-5 | 40607-<br>48-5 |   |  |  |  |  |  |  |  |  |  |  |  | 42<br>9 |
| 8-tert-butyl-<br>4,6-<br>dimethyl-2-<br>benzopyrone  | 241-<br>827-9 | 17874-<br>34-9                    | 4,6-Dimethyl-<br>8-tert-<br>butylcoumarin,<br>when used as<br>a fragrance<br>ingredient  | 241-<br>827-9 | 17874-<br>34-9 |   |  |  |  |  |  |  |  |  |  |  |  | 43<br>0 |
|  |               |                                   | Dimethyl<br>citraconate,<br>when used as<br>a fragrance<br>ingredient  |               | 617-54-<br>9   |   |  |  |  |  |  |  |  |  |  |  |  | 43<br>1 |
| 7,11-<br>dimethyldod<br>eca-4,6,10-<br>trien-3-one   | 247-<br>878-3 | 26651-<br>96-7                    | 7,11-<br>Dimethyl-<br>4,6,10-<br>dodecatrien-3-<br>one<br>(Pseudomethyl<br>ionone), when<br>used as a<br>fragrance<br>ingredient | 247-<br>878-3 | 26651-<br>96-7 | y |  |  |  |  |  |  |  |  |  |  |  | 43<br>2 |
| 6,10-<br>dimethylund<br>eca-3,5,9-<br>trien-2-one    | 205-<br>457-1 | 141-10-<br>6                      | 6,10-<br>Dimethyl-<br>3,5,9-<br>undecatrien-2-<br>one<br>(Pseudoionone<br>), when used<br>as a fragrance<br>ingredient           | 205-<br>457-1 | 141-10-<br>6   | y |  |  |  |  |  |  |  |  |  |  |  | 43<br>3 |
| Diphenylami<br>ne                                    | 204-<br>539-4 | 122-39-<br>4                      | Diphenylamine<br>, when used as<br>a fragrance<br>ingredient   | 204-<br>539-4 | 122-39-<br>4   | y |  |  |  |  |  |  |  |  |  |  |  | 43<br>4 |
| Ethyl<br>acrylate                                    | 205-<br>438-8 | 140-88-<br>5                      | Ethyl acrylate,<br>when used as<br>a fragrance<br>ingredient   | 205-<br>438-8 | 140-88-<br>5   | y |  |  |  |  |  |  |  |  |  |  |  | 43<br>5 |
| Fig, ext.  | 289-<br>868-1 | 68916-<br>52-9,<br>90028-<br>74-3 | Fig leaf<br>absolute (Ficus<br>carica L.),<br>when used as<br>a fragrance<br>ingredient  |               | 68916-<br>52-9 |   |  |  |  |  |  |  |  |  |  |  |  | 43<br>6 |
| [No public or<br>meaningful<br>name is<br>available] | 639-<br>678-3 | 68916-<br>52-9                    | Fig leaf<br>absolute (Ficus<br>carica L.),<br>when used as<br>a fragrance<br>ingredient  |               | 68916-<br>52-9 |   |  |  |  |  |  |  |  |  |  |  |  | 43<br>6 |
| (E)-hept-2-<br>enal                                  | 242-<br>608-0 | 18829-<br>55-5                    | trans-2-<br>Heptenal,  | 242-<br>608-0 | 18829-<br>55-5 |   |  |  |  |  |  |  |  |  |  |  |  | 43<br>7 |

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|  |           |            |  |           |            |   |  |  |  |  |  |  |  |  |  |  |  |     |
|--|-----------|------------|--|-----------|------------|---|--|--|--|--|--|--|--|--|--|--|--|-----|
|  |           |            | when used as a fragrance ingredient  |           |            |   |  |  |  |  |  |  |  |  |  |  |  |     |
| (E)-1,1-diethoxyhex-2-ene                                      | 266-989-8 | 67746-30-9 | trans-2-Hexenal diethyl acetal, when used as a fragrance ingredient                                      | 266-989-8 | 67746-30-9 |   |  |  |  |  |  |  |  |  |  |  |  | 438 |
| (E)-1,1-dimethoxyhex-2-ene                                     | 242-204-4 | 18318-83-7 | trans-2-Hexenal dimethyl acetal, when used as a fragrance ingredient                                     | 242-204-4 | 18318-83-7 |   |  |  |  |  |  |  |  |  |  |  |  | 439 |
| Tetradecahydro-7-isopropyl-1,4a-dimethylphenanthren-1-methanol | 236-476-3 | 13393-93-6 | Hydroabietyl alcohol, when used as a fragrance ingredient  | 236-476-3 | 13393-93-6 |   |  |  |  |  |  |  |  |  |  |  |  | 440 |
| Decahydro-6-isopropyl-2-naphthol                               | 251-841-7 | 34131-99-2 | 6-Isopropyl-2-decahydronaphthalenol, when used as a fragrance ingredient                                 | 251-841-7 | 34131-99-2 |   |  |  |  |  |  |  |  |  |  |  |  | 441 |
| 7-methoxycoumarin  | 208-513-3 | 531-59-9   | 7-Methoxycoumarin, when used as a fragrance ingredient   | 208-513-3 | 531-59-9   |   |  |  |  |  |  |  |  |  |  |  |  | 442 |
| 4-(4-methoxyphenyl)-3-buten-2-one                              | 213-404-9 | 943-88-4   | 4-(4-Methoxyphenyl)-3-buten-2-one (Anisylidene acetone), when used as a fragrance ingredient             | 213-404-9 | 943-88-4   | y |  |  |  |  |  |  |  |  |  |  |  | 443 |
| 1-(4-methoxyphenyl)pent-1-en-3-one                             | 203-190-5 | 104-27-8   | 1-(4-Methoxyphenyl)-1-penten-3-one (alpha-Methylanisylideneacetone), when used as a fragrance ingredient | 203-190-5 | 104-27-8   |   |  |  |  |  |  |  |  |  |  |  |  | 444 |
| Methyl crotonate   | 210-793-7 | 623-43-8   | Methyl trans-2-butenate, when used as a fragrance ingredient   | 210-793-7 | 623-43-8   |   |  |  |  |  |  |  |  |  |  |  |  | 445 |
| 7-methylcoumarin   | 219-499-3 | 2445-83-2  | 7-Methylcoumarin, when used as a fragrance ingredient  | 219-499-3 | 2445-83-2  |   |  |  |  |  |  |  |  |  |  |  |  | 446 |
| 5-methylhexane-2,3-dione                                       | 237-241-8 | 13706-86-0 | 5-Methyl-2,3-hexanedione (Acetyl isovaleryl), when used as a fragrance ingredient                        | 237-241-8 | 13706-86-0 |   |  |  |  |  |  |  |  |  |  |  |  | 447 |
| 2-pentylidenecyclohexan-1-one                                  | 247-178-8 | 25677-40-1 | 2-Pentylidenecyclohexanone, when used as a fragrance ingredient  | 247-178-8 | 25677-40-1 |   |  |  |  |  |  |  |  |  |  |  |  | 448 |
| 3,6,10-trimethylund  | 214-245-8 | 1117-41-5  | 3,6,10-Trimethyl-3,5,9-  | 214-245-8 | 1117-41-5  |   |  |  |  |  |  |  |  |  |  |  |  | 449 |

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|  |           |                        |  |            |            |  |  |  |  |  |     |   |  |   |  |   |  |   |
|--|-----------|------------------------|--|------------|------------|--|--|--|--|--|-----|---|--|---|--|---|--|---|
| eca-3,5,9-trien-2-one  |           |                        | undecatrien-2-one (Pseudo-Isomethyl ionone), when used as a fragrance ingredient   |            |            |  |  |  |  |  |     |   |  |   |  |   |  |   |
| Aloysia triphylla, ext.  | 285-515-0 | 8024-12-2, 85116-63-8  | Verbena oil (Lippia citriodora Kunth.), when used as a fragrance ingredient, Verbena absolute (Lippia citriodora Kunth.) | 285-515-0, | 8024-12-2  |  |  |  |  |  | 450 |   |  |   |  |   |  |   |
| HE Verbena triphyllia  | 676-658-3 | 8024-12-2              | Verbena oil (Lippia citriodora Kunth.), when used as a fragrance ingredient, Verbena absolute (Lippia citriodora Kunth.) | 285-515-0, | 8024-12-2  |  |  |  |  |  | 450 |   |  |   |  |   |  |   |
| 6-(2-chloroethyl)-6-(2-methoxyethoxy)-2,5,7,10-tetraoxa-6-silaundecane | 253-704-7 | 37894-46-5             | 6-(2-Chloroethyl)-6-(2-methoxyethoxy)-2,5,7,10-tetraoxa-6-silaundecane   | 253-704-7  | 37894-46-5 |  |  |  |  |  | 452 |   |  |   |  |   |  | y |
| Cobalt dichloride  | 231-589-4 | 7646-79-9, 7791-13-1   | Cobalt dichloride  | 231-589-4  | 7646-79-9  |  |  |  |  |  | 453 | y |  | y |  | y |  |   |
| Cobalt sulphate  | 233-334-2 | 10026-24-1, 10124-43-3 | Cobalt sulphate  | 233-334-2  | 10124-43-3 |  |  |  |  |  | 454 | y |  | y |  | y |  |   |
| Nickel monoxide  | 215-215-7 | 1313-99-1              | Nickel monoxide  | 215-215-7  | 1313-99-1  |  |  |  |  |  | 455 | y |  | y |  |   |  |   |
| Dinickel trioxide  | 215-217-8 | 1314-06-3              | Dinickel trioxide  | 215-217-8  | 1314-06-3  |  |  |  |  |  | 456 | y |  | y |  |   |  |   |
| Nickel dioxide   | 234-823-3 | 12035-36-8             | Nickel dioxide   | 234-823-3  | 12035-36-8 |  |  |  |  |  | 457 | y |  | y |  |   |  |   |
| Nickel sulfide   | 234-349-7 | 11113-75-0, 12035-72-2 | Trinickel disulphide   | 234-829-6  | 12035-72-2 |  |  |  |  |  | 458 | y |  | y |  |   |  |   |
| Trinickel disulphide   | 234-829-6 | 12035-72-2             | Trinickel disulphide   | 234-829-6  | 12035-72-2 |  |  |  |  |  | 458 | y |  | y |  |   |  |   |
| Tetracarbonylnickel  | 236-669-2 | 13463-39-3             | Tetracarbonylnickel  | 236-669-2  | 13463-39-3 |  |  |  |  |  | 459 |   |  | y |  | y |  |   |
| Nickel sulphide  | 240-841-2 | 16812-54-7             | Nickel sulphide  | 240-841-2  | 16812-54-7 |  |  |  |  |  | 460 | y |  | y |  |   |  |   |
| Potassium bromate  | 231-829-8 | 7758-01-2              | Potassium bromate  | 231-829-8  | 7758-01-02 |  |  |  |  |  | 461 |   |  | y |  |   |  |   |
| Carbon monoxide  | 211-128-3 | 630-08-0               | Carbon monoxide  | 211-128-3  | 630-08-0   |  |  |  |  |  | 462 |   |  |   |  |   |  | y |
| Buta-1,3-diene   | 203-450-8 | 106-99-0               | Buta-1,3-diene, see also entries 464-611   | 203-450-8  | 106-99-0   |  |  |  |  |  | 463 |   |  |   |  |   |  | y |
| Isobutane  | 200-857-2 | 75-28-5                | Isobutane, if it contains $\geq 0,1$ % w/w Butadiene   | 200-857-2  | 75-28-5    |  |  |  |  |  | 464 |   |  |   |  |   |  | y |
| Butane   | 203-448-7 | 106-97-8               | Butane, if it contains $\geq 0,1$  | 203-448-7  | 106-97-8   |  |  |  |  |  | 465 |   |  |   |  |   |  | y |

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|--|---------------|----------------|---|---------------|----------------|---|--|--|--|---------|--|---|--|--|--|--|--|
|  |               |                | % w/w<br>Butadiene  |               |                |   |  |  |  |         |  |   |  |  |  |  |  |
| Gases<br>(petroleum),<br>C3-4  | 268-<br>629-5 | 68131-<br>75-9 | Gases<br>(petroleum),<br>C3-4, if they<br>contain > 0,1<br>% w/w<br>Butadiene   | 268-<br>629-5 | 68131-<br>75-9 | y |  |  |  | 46<br>6 |  | y |  |  |  |  |  |
| Tail gas<br>(petroleum),<br>catalytic<br>cracked<br>distillate and<br>catalytic<br>cracked<br>naphtha<br>fractionation<br>absorber | 269-<br>617-2 | 68307-<br>98-2 | Tail gas<br>(petroleum),<br>catalytic<br>cracked<br>distillate and<br>catalytic<br>cracked<br>naphtha<br>fractionation<br>absorber, if it<br>contains > 0,1<br>% w/w<br>Butadiene | 269-<br>617-2 | 68307-<br>98-2 |   |  |  |  | 46<br>7 |  | y |  |  |  |  |  |
| Tail gas<br>(petroleum),<br>catalytic<br>polymn.<br>naphtha<br>fractionation<br>stabilizer   | 269-<br>618-8 | 68307-<br>99-3 | Tail gas<br>(petroleum),<br>catalytic<br>polymn.<br>naphtha<br>fractionation<br>stabiliser, if it<br>contains > 0,1<br>% w/w<br>Butadiene   | 269-<br>618-8 | 68307-<br>99-3 |   |  |  |  | 46<br>8 |  | y |  |  |  |  |  |
| Tail gas<br>(petroleum),<br>catalytic<br>reformed<br>naphtha<br>fractionation<br>stabilizer,<br>hydrogen<br>sulfide-free           | 269-<br>619-3 | 68308-<br>00-9 | Tail gas<br>(petroleum),<br>catalytic<br>reformed<br>naphtha<br>fractionation<br>stabiliser,<br>hydrogen<br>sulfide-free, if<br>it contains ><br>0,1 % w/w<br>Butadiene           | 269-<br>619-3 | 68308-<br>00-9 |   |  |  |  | 46<br>9 |  | y |  |  |  |  |  |
| Tail gas<br>(petroleum),<br>cracked<br>distillate<br>hydrotreater<br>stripper  | 269-<br>620-9 | 68308-<br>01-0 | Tail gas<br>(petroleum),<br>cracked<br>distillate<br>hydrotreater<br>stripper, if it<br>contains > 0,1<br>% w/w<br>Butadiene  | 269-<br>620-9 | 68308-<br>01-0 |   |  |  |  | 47<br>0 |  | y |  |  |  |  |  |
| Tail gas<br>(petroleum),<br>gas oil<br>catalytic<br>cracking<br>absorber   | 269-<br>623-5 | 68308-<br>03-2 | Tail gas<br>(petroleum),<br>gas oil<br>catalytic<br>cracking<br>absorber, if it<br>contains<br>> 0,1 % w/w<br>Butadiene   | 269-<br>623-5 | 68308-<br>03-2 |   |  |  |  | 47<br>1 |  | y |  |  |  |  |  |
| Tail gas<br>(petroleum),<br>gas recovery<br>plant  | 269-<br>624-0 | 68308-<br>04-3 | Tail gas<br>(petroleum),<br>gas recovery<br>plant, if it<br>contains > 0,1<br>% w/w<br>Butadiene  | 269-<br>624-0 | 68308-<br>04-3 |   |  |  |  | 47<br>2 |  | y |  |  |  |  |  |
| Tail gas<br>(petroleum),<br>gas recovery<br>plant<br>deethanizer   | 269-<br>625-6 | 68308-<br>05-4 | Tail gas<br>(petroleum),<br>gas recovery<br>plant<br>deethaniser, if<br>it contains<br>> 0,1 % w/w<br>Butadiene   | 269-<br>625-6 | 68308-<br>05-4 |   |  |  |  | 47<br>3 |  | y |  |  |  |  |  |
| Tail gas<br>(petroleum),<br>hydrodesulfu   | 269-<br>626-1 | 68308-<br>06-5 | Tail gas<br>(petroleum),<br>hydrodesulfuri  | 269-<br>626-1 | 68308-<br>06-5 |   |  |  |  | 47<br>4 |  | y |  |  |  |  |  |



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|  |           |            |  |           |            |  |  |  |  |  |     |  |  |  |  |  |  |   |
|--|-----------|------------|--|-----------|------------|--|--|--|--|--|-----|--|--|--|--|--|--|---|
| rized distillate and hydrodesulfurized naphtha fractionator, acid-free                 |           |            | sed distillate and hydrodesulfurized naphtha fractionator, acid-free, if it contains > 0,1 % w/w Butadiene                   |           |            |  |  |  |  |  |     |  |  |  |  |  |  |   |
| Tail gas (petroleum), hydrodesulfurized vacuum gas oil stripper, hydrogen sulfide-free | 269-627-7 | 68308-07-6 | Tail gas (petroleum), hydrodesulfurized vacuum gas oil stripper, hydrogen sulfide-free, if it contains > 0,1 % w/w Butadiene | 269-627-7 | 68308-07-6 |  |  |  |  |  | 475 |  |  |  |  |  |  | y |
| Tail gas (petroleum), isomerized naphtha fractionation stabilizer                      | 269-628-2 | 68308-08-7 | Tail gas (petroleum), isomerized naphtha fractionation stabiliser, if it contains > 0,1 % w/w Butadiene                      | 269-628-2 | 68308-08-7 |  |  |  |  |  | 476 |  |  |  |  |  |  | y |
| Tail gas (petroleum), light straight-run naphtha stabilizer, hydrogen sulfide-free     | 269-629-8 | 68308-09-8 | Tail gas (petroleum), light straight-run naphtha stabiliser, hydrogen sulfide-free, if it contains > 0,1 % w/w Butadiene     | 269-629-8 | 68308-09-8 |  |  |  |  |  | 477 |  |  |  |  |  |  | y |
| Tail gas (petroleum), straight-run distillate hydrodesulfurizer, hydrogen sulfide-free | 269-630-3 | 68308-10-1 | Tail gas (petroleum), straight-run distillate hydrodesulfurized, hydrogen sulfide-free, if it contains > 0,1 % w/w Butadiene | 269-630-3 | 68308-10-1 |  |  |  |  |  | 478 |  |  |  |  |  |  | y |
| Tail gas (petroleum), propane-propylene alkylation feed prep deethanizer               | 269-631-9 | 68308-11-2 | Tail gas (petroleum), propane-propylene alkylation feed prep deethaniser, if it contains > 0,1 % w/w Butadiene               | 269-631-9 | 68308-11-2 |  |  |  |  |  | 479 |  |  |  |  |  |  | y |
| Tail gas (petroleum), vacuum gas oil hydrodesulfurizer, hydrogen sulfide-free          | 269-632-4 | 68308-12-3 | Tail gas (petroleum), vacuum gas oil hydrodesulfurized, hydrogen sulfide-free, if it contains > 0,1 % w/w Butadiene          | 269-632-4 | 68308-12-3 |  |  |  |  |  | 480 |  |  |  |  |  |  | y |
| Gases (petroleum), catalytic cracked overheads   | 270-071-2 | 68409-99-4 | Gases (petroleum), catalytic cracked overheads, if they contain > 0,1 % w/w Butadiene  | 270-071-2 | 68409-99-4 |  |  |  |  |  | 481 |  |  |  |  |  |  | y |
| Alkanes, C1-2  | 270-651-5 | 68475-57-0 | Alkanes, C1-2, if they contain   | 270-651-5 | 68475-57-0 |  |  |  |  |  | 482 |  |  |  |  |  |  | y |

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|--|-----------|------------|---|-----------|------------|---|--|--|--|--|-----|--|--|--|--|--|--|---|
|  |           |            | > 0,1 % w/w<br>Butadiene  |           |            |   |  |  |  |  |     |  |  |  |  |  |  |   |
| Alkanes, C2-3  | 270-652-0 | 68475-58-1 | Alkanes, C2-3, if they contain > 0,1 % w/w Butadiene                          | 270-652-0 | 68475-58-1 |   |  |  |  |  | 483 |  |  |  |  |  |  | y |
| Alkanes, C3-4  | 270-653-6 | 68475-59-2 | Alkanes, C3-4, if they contain > 0,1 % w/w Butadiene                          | 270-653-6 | 68475-59-2 |   |  |  |  |  | 484 |  |  |  |  |  |  | y |
| Alkanes, C4-5  | 270-654-1 | 68475-60-5 | Alkanes, C4-5, if they contain > 0,1 % w/w Butadiene                          | 270-654-1 | 68475-60-5 | y |  |  |  |  | 485 |  |  |  |  |  |  | y |
| Fuel gases   | 270-667-2 | 68476-26-6 | Fuel-gases, if they contain > 0,1 % w/w Butadiene                             | 270-667-2 | 68476-26-6 | y |  |  |  |  | 486 |  |  |  |  |  |  | y |
| Fuel gases, crude oil distillates  | 270-670-9 | 68476-29-9 | Fuel gases, crude oil distillates, if they contain > 0,1 % w/w Butadiene      | 270-670-9 | 68476-29-9 | y |  |  |  |  | 487 |  |  |  |  |  |  | y |
| Hydrocarbons, C3-4   | 270-681-9 | 68476-40-4 | Hydrocarbons, C3-4, if they contain > 0,1 % w/w Butadiene                     | 270-681-9 | 68476-40-4 | y |  |  |  |  | 488 |  |  |  |  |  |  | y |
| Hydrocarbons, C4-5   | 270-682-4 | 68476-42-6 | Hydrocarbons, C4-5, if they contain > 0,1 % w/w Butadiene                     | 270-682-4 | 68476-42-6 |   |  |  |  |  | 489 |  |  |  |  |  |  | y |
| Hydrocarbons, C2-4, C3-rich  | 270-689-2 | 68476-49-3 | Hydrocarbons, C2-4, C3-rich, if they contain > 0,1 % w/w Butadiene            | 270-689-2 | 68476-49-3 | y |  |  |  |  | 490 |  |  |  |  |  |  | y |
| Petroleum gases, liquefied   | 270-704-2 | 68476-85-7 | Petroleum gases, liquefied, if they contain > 0,1 % w/w Butadiene             | 270-704-2 | 68476-85-7 | y |  |  |  |  | 491 |  |  |  |  |  |  | y |
| Petroleum gases, liquefied, sweetened  | 270-705-8 | 68476-86-8 | Petroleum gases, liquefied, sweetened, if they contain > 0,1 % w/w Butadiene  | 270-705-8 | 68476-86-8 | y |  |  |  |  | 492 |  |  |  |  |  |  | y |
| Reaction mass of acetone and n-butyl acetate and zinc chromate and Naphtha (petroleum), hydrotreated light and Solvent naphtha (petroleum), light arom. and Alkanes, C10-13-iso- | 942-616-0 | 68476-86-8 | Petroleum gases, liquefied, sweetened, if they contain > 0,1 % w/w Butadiene  | 270-705-8 | 68476-86-8 |   |  |  |  |  | 492 |  |  |  |  |  |  |   |
| Gases (petroleum), C3-4, isobutane-rich  | 270-724-1 | 68477-33-8 | Gases (petroleum), C3-4, isobutane-rich if they contain > 0,1 % w/w Butadiene | 270-724-1 | 68477-33-8 | y |  |  |  |  | 493 |  |  |  |  |  |  | y |
| Distillates (petroleum), C3-6,   | 270-726-2 | 68477-35-0 | Distillates (petroleum), C3-6,  | 270-726-2 | 68477-35-0 | y |  |  |  |  | 494 |  |  |  |  |  |  | y |

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|   |           |            |   |           |            |  |   |  |  |  |     |  |   |  |  |  |  |  |
|---|-----------|------------|---|-----------|------------|--|---|--|--|--|-----|--|---|--|--|--|--|--|
| piperylene-rich   |           |            | piperylene-rich, if they contain > 0,1 % w/w Butadiene  |           |            |  |   |  |  |  |     |  |   |  |  |  |  |  |
| Gases (petroleum), amine system feed  | 270-746-1 | 68477-65-6 | Gases (petroleum), amine system feed, if they contain > 0,1 % w/w Butadiene   | 270-746-1 | 68477-65-6 |  |   |  |  |  | 495 |  | y |  |  |  |  |  |
| Gases (petroleum), benzene unit hydrodesulfurizer off                                 | 270-747-7 | 68477-66-7 | Gases (petroleum), benzene unit hydrodesulfurizer off, if they contain > 0,1 % w/w Butadiene                                | 270-747-7 | 68477-66-7 |  |   |  |  |  | 496 |  | y |  |  |  |  |  |
| Gases (petroleum), benzene unit recycle, hydrogen-rich                                | 270-748-2 | 68477-67-8 | Gases (petroleum), benzene unit recycle, hydrogen-rich, if they contain > 0,1 % w/w Butadiene                               | 270-748-2 | 68477-67-8 |  |   |  |  |  | 497 |  | y |  |  |  |  |  |
| Gases (petroleum), blend oil, hydrogen-nitrogen-rich                                  | 270-749-8 | 68477-68-9 | Gases (petroleum), blend oil, hydrogen-nitrogen-rich, if they contain > 0,1 % w/w Butadiene                                 | 270-749-8 | 68477-68-9 |  |   |  |  |  | 498 |  | y |  |  |  |  |  |
| Gases (petroleum), butane splitter overheads  | 270-750-3 | 68477-69-0 | Gases (petroleum), butane splitter overheads, if they contain > 0,1 % w/w Butadiene   | 270-750-3 | 68477-69-0 |  | y |  |  |  | 499 |  | y |  |  |  |  |  |
| Gases (petroleum), C2-3   | 270-751-9 | 68477-70-3 | Gases (petroleum), C2-3, if they contain > 0,1 % w/w Butadiene  | 270-751-9 | 68477-70-3 |  |   |  |  |  | 500 |  | y |  |  |  |  |  |
| Gases (petroleum), catalytic-cracked gas oil depropanizer bottoms, C4-rich acid-free  | 270-752-4 | 68477-71-4 | Gases (petroleum), catalytic-cracked gas oil depropanizer bottoms, C4-rich acid-free, if they contain > 0,1 % w/w Butadiene | 270-752-4 | 68477-71-4 |  | y |  |  |  | 501 |  | y |  |  |  |  |  |
| Gases (petroleum), catalytic-cracked naphtha debutanizer bottoms, C3-5-rich           | 270-754-5 | 68477-72-5 | Gases (petroleum), catalytic-cracked naphtha debutanizer bottoms, C3-5-rich, if they contain > 0,1 % w/w Butadiene          | 270-754-5 | 68477-72-5 |  |   |  |  |  | 502 |  | y |  |  |  |  |  |
| Gases (petroleum), catalytic cracked naphtha depropanizer overhead, C3-rich acid-free | 270-755-0 | 68477-73-6 | Gases (petroleum), catalytic cracked naphtha depropanizer overhead, C3-rich acid-free, if they contain                      | 270-755-0 | 68477-73-6 |  |   |  |  |  | 503 |  | y |  |  |  |  |  |

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|  |               |                |   |               |                |   |  |  |  |         |  |  |  |  |  |  |  |   |
|--|---------------|----------------|---|---------------|----------------|---|--|--|--|---------|--|--|--|--|--|--|--|---|
|  |               |                | > 0,1 % w/w<br>Butadiene  |               |                |   |  |  |  |         |  |  |  |  |  |  |  |   |
| Gases<br>(petroleum),<br>catalytic<br>cracker  | 270-<br>756-6 | 68477-<br>74-7 | Gases<br>(petroleum),<br>catalytic<br>cracker, if they<br>contain > 0,1<br>% w/w<br>Butadiene   | 270-<br>756-6 | 68477-<br>74-7 |   |  |  |  | 50<br>4 |  |  |  |  |  |  |  | y |
| Gases<br>(petroleum),<br>catalytic<br>cracker, C1-<br>5-rich                                     | 270-<br>757-1 | 68477-<br>75-8 | Gases<br>(petroleum),<br>catalytic<br>cracker, C1-5-<br>rich, if they<br>contain > 0,1<br>% w/w<br>Butadiene                                      | 270-<br>757-1 | 68477-<br>75-8 |   |  |  |  | 50<br>5 |  |  |  |  |  |  |  | y |
| Gases<br>(petroleum),<br>catalytic<br>polymd.<br>naphtha<br>stabilizer<br>overhead,<br>C2-4-rich | 270-<br>758-7 | 68477-<br>76-9 | Gases<br>(petroleum),<br>catalytic<br>polymd.<br>naphtha<br>stabilizer<br>overhead, C2-<br>4-rich, if they<br>contain > 0,1<br>% w/w<br>Butadiene | 270-<br>758-7 | 68477-<br>76-9 |   |  |  |  | 50<br>6 |  |  |  |  |  |  |  | y |
| Gases<br>(petroleum),<br>catalytic<br>reformed<br>naphtha<br>stripper<br>overheads               | 270-<br>759-2 | 68477-<br>77-0 | Gases<br>(petroleum),<br>catalytic<br>reformed<br>naphtha<br>stripper<br>overheads, if<br>they contain ><br>0,1 % w/w<br>Butadiene                | 270-<br>759-2 | 68477-<br>77-0 | y |  |  |  | 50<br>7 |  |  |  |  |  |  |  | y |
| Gases<br>(petroleum),<br>catalytic<br>reformer,<br>C1-4-rich                                     | 270-<br>760-8 | 68477-<br>79-2 | Gases<br>(petroleum),<br>catalytic<br>reformer, C1-<br>4-rich, if they<br>contain > 0,1<br>% w/w<br>Butadiene                                     | 270-<br>760-8 | 68477-<br>79-2 |   |  |  |  | 50<br>8 |  |  |  |  |  |  |  | y |
| Gases<br>(petroleum),<br>C6-8<br>catalytic<br>reformer<br>recycle                                | 270-<br>761-3 | 68477-<br>80-5 | Gases<br>(petroleum),<br>C6-8 catalytic<br>reformer<br>recycle, if they<br>contain<br>> 0,1 % w/w<br>Butadiene                                    | 270-<br>761-3 | 68477-<br>80-5 |   |  |  |  | 50<br>9 |  |  |  |  |  |  |  | y |
| Gases<br>(petroleum),<br>C6-8<br>catalytic<br>reformer   | 270-<br>762-9 | 68477-<br>81-6 | Gases<br>(petroleum),<br>C6-8 catalytic<br>reformer, if<br>they contain ><br>0,1 % w/w<br>Butadiene   | 270-<br>762-9 | 68477-<br>81-6 |   |  |  |  | 51<br>0 |  |  |  |  |  |  |  | y |
| Gases<br>(petroleum),<br>C6-8<br>catalytic<br>reformer<br>recycle,<br>hydrogen-<br>rich          | 270-<br>763-4 | 68477-<br>82-7 | Gases<br>(petroleum),<br>C6-8 catalytic<br>reformer<br>recycle,<br>hydrogen-rich,<br>if they contain<br>> 0,1 % w/w<br>Butadiene                  | 270-<br>763-4 | 68477-<br>82-7 |   |  |  |  | 51<br>1 |  |  |  |  |  |  |  | y |
| Gases<br>(petroleum),<br>C3-5<br>olefinic-<br>paraffinic<br>alkylation<br>feed                   | 270-<br>765-5 | 68477-<br>83-8 | Gases<br>(petroleum),<br>C3-5 olefinic-<br>paraffinic<br>alkylation<br>feed, if they<br>contain > 0,1<br>% w/w<br>Butadiene                       | 270-<br>765-5 | 68477-<br>83-8 | y |  |  |  | 51<br>2 |  |  |  |  |  |  |  | y |

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|  |           |            |   |           |            |   |  |  |  |     |  |   |  |  |  |
|--|-----------|------------|---|-----------|------------|---|--|--|--|-----|--|---|--|--|--|
| Gases (petroleum), C2-return stream                          | 270-766-0 | 68477-84-9 | Gases (petroleum), C2-return stream, if they contain > 0,1 % w/w Butadiene                          | 270-766-0 | 68477-84-9 |   |  |  |  | 513 |  | y |  |  |  |
| Gases (petroleum), C4-rich                                   | 270-767-6 | 68477-85-0 | Gases (petroleum), C4-rich, if they contain > 0,1 % w/w Butadiene                                   | 270-767-6 | 68477-85-0 |   |  |  |  | 514 |  | y |  |  |  |
| Gases (petroleum), deethanizer overheads                     | 270-768-1 | 68477-86-1 | Gases (petroleum), deethaniser overheads, if they contain > 0,1 % w/w Butadiene                     | 270-768-1 | 68477-86-1 |   |  |  |  | 515 |  | y |  |  |  |
| Gases (petroleum), deisobutanizer tower overheads            | 270-769-7 | 68477-87-2 | Gases (petroleum), deisobutaniser tower overheads, if they contain > 0,1 % w/w Butadiene            | 270-769-7 | 68477-87-2 | y |  |  |  | 516 |  | y |  |  |  |
| Gases (petroleum), depropanizer dry, propene-rich            | 270-772-3 | 68477-90-7 | Gases (petroleum), depropaniser dry, propene-rich, if they contain > 0,1 % w/w Butadiene            | 270-772-3 | 68477-90-7 | y |  |  |  | 517 |  | y |  |  |  |
| Gases (petroleum), depropanizer overheads                    | 270-773-9 | 68477-91-8 | Gases (petroleum), depropaniser overheads, if they contain > 0,1 % w/w Butadiene                    | 270-773-9 | 68477-91-8 |   |  |  |  | 518 |  | y |  |  |  |
| Gases (petroleum), dry sour, gas-concn.-unit-off             | 270-774-4 | 68477-92-9 | Gases (petroleum), dry sour, gas-concn. -unit-off, if they contain > 0,1 % w/w Butadiene            | 270-774-4 | 68477-92-9 |   |  |  |  | 519 |  | y |  |  |  |
| Gases (petroleum), gas concn. reabsorber distn.              | 270-776-5 | 68477-93-0 | Gases (petroleum), gas concn. reabsorber distn., if they contain > 0,1 % w/w Butadiene              | 270-776-5 | 68477-93-0 |   |  |  |  | 520 |  | y |  |  |  |
| Gases (petroleum), gas recovery plant depropanizer overheads | 270-777-0 | 68477-94-1 | Gases (petroleum), gas recovery plant depropaniser overheads, if they contain > 0,1 % w/w Butadiene | 270-777-0 | 68477-94-1 |   |  |  |  | 521 |  | y |  |  |  |
| Gases (petroleum), Girbatol unit feed                        | 270-778-6 | 68477-95-2 | Gases (petroleum), Girbatol unit feed, if they contain > 0,1 % w/w Butadiene                        | 270-778-6 | 68477-95-2 |   |  |  |  | 522 |  | y |  |  |  |
| Gases (petroleum), hydrogen absorber off                     | 270-779-1 | 68477-96-3 | Gases (petroleum), hydrogen absorber off, if  | 270-779-1 | 68477-96-3 |   |  |  |  | 523 |  | y |  |  |  |

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|  |           |            |   |           |            |  |  |  |  |     |  |  |   |  |  |  |  |
|--|-----------|------------|---|-----------|------------|--|--|--|--|-----|--|--|---|--|--|--|--|
|  |           |            | they contain > 0,1 % w/w Butadiene  |           |            |  |  |  |  |     |  |  |   |  |  |  |  |
| Gases (petroleum), hydrogen-rich   | 270-780-7 | 68477-97-4 | Gases (petroleum), hydrogen-rich, if they contain > 0,1 % w/w Butadiene   | 270-780-7 | 68477-97-4 |  |  |  |  | 524 |  |  | y |  |  |  |  |
| Gases (petroleum), hydrotreater blend oil recycle, hydrogen-nitrogen-rich          | 270-781-2 | 68477-98-5 | Gases (petroleum), hydrotreater blend oil recycle, hydrogen-nitrogen-rich, if they contain > 0,1 % w/w Butadiene          | 270-781-2 | 68477-98-5 |  |  |  |  | 525 |  |  | y |  |  |  |  |
| Gases (petroleum), isomerized naphtha fractionator, C4-rich, hydrogen sulfide-free | 270-782-8 | 68477-99-6 | Gases (petroleum), isomerised naphtha fractionator, C4-rich, hydrogen sulfide-free, if they contain > 0,1 % w/w Butadiene | 270-782-8 | 68477-99-6 |  |  |  |  | 526 |  |  | y |  |  |  |  |
| Gases (petroleum), recycle, hydrogen-rich  | 270-783-3 | 68478-00-2 | Gases (petroleum), recycle, hydrogen-rich, if they contain > 0,1 % w/w Butadiene  | 270-783-3 | 68478-00-2 |  |  |  |  | 527 |  |  | y |  |  |  |  |
| Gases (petroleum), reformer make-up, hydrogen-rich                                 | 270-784-9 | 68478-01-3 | Gases (petroleum), reformer make-up, hydrogen-rich, if they contain > 0,1 % w/w Butadiene                                 | 270-784-9 | 68478-01-3 |  |  |  |  | 528 |  |  | y |  |  |  |  |
| Gases (petroleum), reforming hydrotreater  | 270-785-4 | 68478-02-4 | Gases (petroleum), reforming hydrotreater, if they contain > 0,1 % w/w Butadiene  | 270-785-4 | 68478-02-4 |  |  |  |  | 529 |  |  | y |  |  |  |  |
| Gases (petroleum), reforming hydrotreater, hydrogen-methane-rich                   | 270-787-5 | 68478-03-5 | Gases (petroleum), reforming hydrotreater, hydrogen-methane-rich, if they contain > 0,1 % w/w Butadiene                   | 270-787-5 | 68478-03-5 |  |  |  |  | 530 |  |  | y |  |  |  |  |
| Gases (petroleum), reforming hydrotreater make-up, hydrogen-rich                   | 270-788-0 | 68478-04-6 | Gases (petroleum), reforming hydrotreater make-up, hydrogen-rich, if they contain > 0,1 % w/w Butadiene                   | 270-788-0 | 68478-04-6 |  |  |  |  | 531 |  |  | y |  |  |  |  |
| Gases (petroleum), thermal cracking distn.   | 270-789-6 | 68478-05-7 | Gases (petroleum), thermal cracking distn., if they contain > 0,1 % w/w Butadiene   | 270-789-6 | 68478-05-7 |  |  |  |  | 532 |  |  | y |  |  |  |  |

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|--|-----------|------------|--|-----------|------------|--|--|--|--|-----|--|---|--|--|--|--|
| Tail gas (petroleum), catalytic cracked clarified oil and thermal cracked vacuum residue fractionation reflux drum | 270-802-5 | 68478-21-7 | Tail gas (petroleum), catalytic cracked clarified oil and thermal cracked vacuum residue fractionation reflux drum, if it contains > 0,1 % w/w Butadiene | 270-802-5 | 68478-21-7 |  |  |  |  | 533 |  | y |  |  |  |  |
| Tail gas (petroleum), catalytic cracked naphtha stabilisation absorber   | 270-803-0 | 68478-22-8 | Tail gas (petroleum), catalytic cracked naphtha stabilisation absorber, if it contains > 0,1 % w/w Butadiene   | 270-803-0 | 68478-22-8 |  |  |  |  | 534 |  | y |  |  |  |  |
| Tail gas (petroleum), catalytic cracker, catalytic reformer and hydrodesulfurizer combined fractionater            | 270-804-6 | 68478-24-0 | Tail gas (petroleum), catalytic cracker, catalytic reformer and hydrodesulfurized combined fractionater, if it contains > 0,1 % w/w Butadiene            | 270-804-6 | 68478-24-0 |  |  |  |  | 535 |  | y |  |  |  |  |
| Tail gas (petroleum), catalytic cracker refractionation absorber   | 270-805-1 | 68478-25-1 | Tail gas (petroleum), catalytic cracker refractionation absorber, if it contains > 0,1 % w/w Butadiene   | 270-805-1 | 68478-25-1 |  |  |  |  | 536 |  | y |  |  |  |  |
| Tail gas (petroleum), catalytic reformed naphtha fractionation stabilizer  | 270-806-7 | 68478-26-2 | Tail gas (petroleum), catalytic reformed naphtha fractionation stabiliser, if it contains > 0,1 % w/w Butadiene  | 270-806-7 | 68478-26-2 |  |  |  |  | 537 |  | y |  |  |  |  |
| Tail gas (petroleum), catalytic reformed naphtha separator   | 270-807-2 | 68478-27-3 | Tail gas (petroleum), catalytic reformed naphtha separator, if it contains > 0,1 % w/w Butadiene   | 270-807-2 | 68478-27-3 |  |  |  |  | 538 |  | y |  |  |  |  |
| Tail gas (petroleum), catalytic reformed naphtha stabilizer  | 270-808-8 | 68478-28-4 | Tail gas (petroleum), catalytic reformed naphtha stabiliser, if it contains > 0,1 % w/w Butadiene  | 270-808-8 | 68478-28-4 |  |  |  |  | 539 |  | y |  |  |  |  |
| Tail gas (petroleum), cracked distillate hydrotreater separator  | 270-809-3 | 68478-29-5 | Tail gas (petroleum), cracked distillate hydrotreater separator, if it   | 270-809-3 | 68478-29-5 |  |  |  |  | 540 |  | y |  |  |  |  |

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|---|-----------|------------|--|-----------|------------|---|--|--|--|-----|--|---|--|--|--|--|--|
|   |           |            | contains > 0,1 % w/w Butadiene   |           |            |   |  |  |  |     |  |   |  |  |  |  |  |
| Tail gas (petroleum), hydrodesulfurized straight-run naphtha separator          | 270-810-9 | 68478-30-8 | Tail gas (petroleum), hydrodesulfurized straight-run naphtha separator, if it contains > 0,1 % w/w Butadiene           | 270-810-9 | 68478-30-8 |   |  |  |  | 541 |  | y |  |  |  |  |  |
| Tail gas (petroleum), saturate gas plant mixed stream, C4-rich                  | 270-813-5 | 68478-32-0 | Tail gas (petroleum), saturate gas plant mixed stream, C4-rich, if it contains > 0,1 % w/w Butadiene                   | 270-813-5 | 68478-32-0 |   |  |  |  | 542 |  | y |  |  |  |  |  |
| Tail gas (petroleum), saturate gas recovery plant, C1-2-rich                    | 270-814-0 | 68478-33-1 | Tail gas (petroleum), saturate gas recovery plant, C1-2-rich, if it contains > 0,1 % w/w Butadiene                     | 270-814-0 | 68478-33-1 |   |  |  |  | 543 |  | y |  |  |  |  |  |
| Tail gas (petroleum), vacuum residues thermal cracker                           | 270-815-6 | 68478-34-2 | Tail gas (petroleum), vacuum residues thermal cracker, if it contains > 0,1 % w/w Butadiene                            | 270-815-6 | 68478-34-2 |   |  |  |  | 544 |  | y |  |  |  |  |  |
| Hydrocarbons, C3-4-rich, petroleum distillate                                   | 270-990-9 | 68512-91-4 | Hydrocarbons, C3-4-rich, petroleum distillate, if they contain > 0,1 % w/w Butadiene                                   | 270-990-9 | 68512-91-4 | y |  |  |  | 545 |  | y |  |  |  |  |  |
| Gases (petroleum), catalytic reformed straight-run naphtha stabilizer overheads | 270-999-8 | 68513-14-4 | Gases (petroleum), catalytic reformed straight-run naphtha stabilizer overheads, if they contain > 0,1 % w/w Butadiene | 270-999-8 | 68513-14-4 |   |  |  |  | 546 |  | y |  |  |  |  |  |
| Gases (petroleum), full-range straight-run naphtha dehexaniser off              | 271-000-8 | 68513-15-5 | Gases (petroleum), full-range straight-run naphtha dehexaniser off, if they contain > 0,1 % w/w Butadiene              | 271-000-8 | 68513-15-5 |   |  |  |  | 547 |  | y |  |  |  |  |  |
| Gases (petroleum), hydrocracking depropaniser off, hydrocarbon-rich             | 271-001-3 | 68513-16-6 | Gases (petroleum), hydrocracking depropaniser off, hydrocarbon-rich, if they contain > 0,1 % w/w Butadiene             | 271-001-3 | 68513-16-6 |   |  |  |  | 548 |  | y |  |  |  |  |  |
| Gases (petroleum), light  | 271-002-9 | 68513-17-7 | Gases (petroleum), light straight-   | 271-002-9 | 68513-17-7 |   |  |  |  | 549 |  | y |  |  |  |  |  |



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|---|-----------|------------|--|-----------|------------|--|--|--|--|-----|---|--|--|--|--|--|--|---|
| straight-run naphtha stabilizer off                                 |           |            | run naphtha stabiliser off, if they contain > 0,1 % w/w Butadiene  |           |            |  |  |  |  |     |   |  |  |  |  |  |  |   |
| Gases (petroleum), reformer effluent high-pressure flash drum off   | 271-003-4 | 68513-18-8 | Gases (petroleum), reformer effluent high-pressure flash drum off, if they contain > 0,1 % w/w Butadiene   | 271-003-4 | 68513-18-8 |  |  |  |  | 550 |   |  |  |  |  |  |  | y |
| Gases (petroleum), reformer effluent low-pressure flash drum off    | 271-005-5 | 68513-19-9 | Gases (petroleum), reformer effluent low-pressure flash drum off, if they contain > 0,1 % w/w Butadiene    | 271-005-5 | 68513-19-9 |  |  |  |  | 551 |   |  |  |  |  |  |  | y |
| Residues (petroleum), alkylation splitter, C4-rich                  | 271-010-2 | 68513-66-6 | Residues (petroleum), alkylation splitter, C4-rich, if they contain > 0,1 % w/w Butadiene                  | 271-010-2 | 68513-66-6 |  |  |  |  | 552 | y |  |  |  |  |  |  | y |
| Hydrocarbons, C1-4  | 271-032-2 | 68514-31-8 | Hydrocarbons, C1-4, if they contain > 0,1 % w/w Butadiene  | 271-032-2 | 68514-31-8 |  |  |  |  | 553 |   |  |  |  |  |  |  | y |
| Hydrocarbons, C1-4, sweetened                                       | 271-038-5 | 68514-36-3 | Hydrocarbons, C1-4, sweetened, if they contain > 0,1 % w/w Butadiene                                       | 271-038-5 | 68514-36-3 |  |  |  |  | 554 |   |  |  |  |  |  |  | y |
| Gases (petroleum), oil refinery gas distn. off                      | 271-258-1 | 68527-15-1 | Gases (petroleum), oil refinery gas distn. off, if they contain > 0,1 % w/w Butadiene                      | 271-258-1 | 68527-15-1 |  |  |  |  | 555 |   |  |  |  |  |  |  | y |
| Hydrocarbons, C1-3  | 271-259-7 | 68527-16-2 | Hydrocarbons, C1-3, if they contain > 0,1 % w/w Butadiene  | 271-259-7 | 68527-16-2 |  |  |  |  | 556 |   |  |  |  |  |  |  | y |
| Hydrocarbons, C1-4, debutanizer fraction                            | 271-261-8 | 68527-19-5 | Hydrocarbons, C1-4, debutaniser fraction, if they contain > 0,1 % w/w Butadiene                            | 271-261-8 | 68527-19-5 |  |  |  |  | 557 |   |  |  |  |  |  |  | y |
| Gases (petroleum), benzene unit hydrotreater depentaniser overheads | 271-623-5 | 68602-82-4 | Gases (petroleum), benzene unit hydrotreater depentaniser overheads, if they contain > 0,1 % w/w Butadiene | 271-623-5 | 68602-82-4 |  |  |  |  | 558 |   |  |  |  |  |  |  | y |
| Gases (petroleum), C1-5, wet  | 271-624-0 | 68602-83-5 | Gases (petroleum), C1-5, wet, if they contain > 0,1 % w/w Butadiene  | 271-624-0 | 68602-83-5 |  |  |  |  | 559 | y |  |  |  |  |  |  | y |
| Gases (petroleum), secondary  | 271-625-6 | 68602-84-6 | Gases (petroleum), secondary   | 271-625-6 | 68602-84-6 |  |  |  |  | 560 |   |  |  |  |  |  |  | y |

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|--|-----------|------------|---|-----------|------------|---|--|--|--|-----|--|--|---|--|--|--|--|--|
| absorber off, fluidized catalytic cracker overheads fractionator |           |            | absorber off, fluidised catalytic cracker overheads fractionator, if they contain > 0,1 % w/w Butadiene |           |            |   |  |  |  |     |  |  |   |  |  |  |  |  |
| Hydrocarbons, C2-4   | 271-734-9 | 68606-25-7 | Hydrocarbons, C2-4, if they contain > 0,1 % w/w Butadiene   | 271-734-9 | 68606-25-7 |   |  |  |  | 561 |  |  | y |  |  |  |  |  |
| Hydrocarbons, C3   | 271-735-4 | 68606-26-8 | Hydrocarbons, C3, if they contain > 0,1 % w/w Butadiene   | 271-735-4 | 68606-26-8 | y |  |  |  | 562 |  |  | y |  |  |  |  |  |
| Gases (petroleum), alkylation feed                               | 271-737-5 | 68606-27-9 | Gases (petroleum), alkylation feed, if they contain > 0,1 % w/w Butadiene                               | 271-737-5 | 68606-27-9 |   |  |  |  | 563 |  |  | y |  |  |  |  |  |
| Gases (petroleum), depropaniser bottoms fractionation off        | 271-742-2 | 68606-34-8 | Gases (petroleum), depropaniser bottoms fractionation off, if they contain > 0,1 % w/w Butadiene        | 271-742-2 | 68606-34-8 |   |  |  |  | 564 |  |  | y |  |  |  |  |  |
| Petroleum products, refinery gases                               | 271-750-6 | 68607-11-4 | Petroleum products, refinery gases, if they contain > 0,1 % w/w Butadiene                               | 271-750-6 | 68607-11-4 |   |  |  |  | 565 |  |  | y |  |  |  |  |  |
| Gases (petroleum), hydrocracking low-pressure separator          | 272-182-1 | 68783-06-2 | Gases (petroleum), hydrocracking low-pressure separator, if they contain > 0,1 % w/w Butadiene          | 272-182-1 | 68783-06-2 |   |  |  |  | 566 |  |  | y |  |  |  |  |  |
| Gases (petroleum), refinery blend                                | 272-183-7 | 68783-07-3 | Gases (petroleum), refinery blend, if they contain > 0,1 % w/w Butadiene                                | 272-183-7 | 68783-07-3 | y |  |  |  | 567 |  |  | y |  |  |  |  |  |
| Gases (petroleum), catalytic cracking                            | 272-203-4 | 68783-64-2 | Gases (petroleum), catalytic cracking, if they contain > 0,1 % w/w Butadiene                            | 272-203-4 | 68783-64-2 |   |  |  |  | 568 |  |  | y |  |  |  |  |  |
| Gases (petroleum), C2-4, sweetened                               | 272-205-5 | 68783-65-3 | Gases (petroleum), C2-4, sweetened, if they contain > 0,1 % w/w Butadiene                               | 272-205-5 | 68783-65-3 | y |  |  |  | 569 |  |  | y |  |  |  |  |  |
| Gases (petroleum), refinery                                      | 272-338-9 | 68814-67-5 | Gases (petroleum), refinery, if they contain > 0,1 % w/w Butadiene                                      | 272-338-9 | 68814-67-5 | y |  |  |  | 570 |  |  | y |  |  |  |  |  |
| Gases (petroleum), platformer                                    | 272-343-6 | 68814-90-4 | Gases (petroleum), platformer products  | 272-343-6 | 68814-90-4 |   |  |  |  | 571 |  |  | y |  |  |  |  |  |

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|---|-----------|------------|--|-----------|------------|--|--|--|--|-----|--|--|--|--|--|--|---|
| products separator off  |           |            | separator off, if they contain > 0,1 % w/w Butadiene   |           |            |  |  |  |  |     |  |  |  |  |  |  |   |
| Gases (petroleum), hydrotreated sour kerosine depentanizer stabilizer off       | 272-775-5 | 68911-58-0 | Gases (petroleum), hydrotreated sour kerosine depentanizer stabiliser off, if they contain > 0,1 % w/w Butadiene       | 272-775-5 | 68911-58-0 |  |  |  |  | 572 |  |  |  |  |  |  | y |
| Gases (petroleum), hydrotreated sour kerosine flash drum                        | 272-776-0 | 68911-59-1 | Gases (petroleum), hydrotreated sour kerosine flash drum, if they contain > 0,1 % w/w Butadiene                        | 272-776-0 | 68911-59-1 |  |  |  |  | 573 |  |  |  |  |  |  | y |
| Gases (petroleum), crude oil fractionation off                                  | 272-871-7 | 68918-99-0 | Gases (petroleum), crude oil fractionation off, if they contain > 0,1 % w/w Butadiene                                  | 272-871-7 | 68918-99-0 |  |  |  |  | 574 |  |  |  |  |  |  | y |
| Gases (petroleum), dehexanizer off  | 272-872-2 | 68919-00-6 | Gases (petroleum), dehexanizer off, if they contain > 0,1 % w/w Butadiene  | 272-872-2 | 68919-00-6 |  |  |  |  | 575 |  |  |  |  |  |  | y |
| Gases (petroleum), distillate unifier desulfurization stripper off              | 272-873-8 | 68919-01-7 | Gases (petroleum), distillate unifier desulfurization stripper off, if they contain > 0,1 % w/w Butadiene              | 272-873-8 | 68919-01-7 |  |  |  |  | 576 |  |  |  |  |  |  | y |
| Gases (petroleum), fluidized catalytic cracker fractionation off                | 272-874-3 | 68919-02-8 | Gases (petroleum), fluidized catalytic cracker fractionation off if they contain > 0,1 % w/w Butadiene                 | 272-874-3 | 68919-02-8 |  |  |  |  | 577 |  |  |  |  |  |  | y |
| Gases (petroleum), fluidized catalytic cracker scrubbing secondary absorber off | 272-875-9 | 68919-03-9 | Gases (petroleum), fluidized catalytic cracker scrubbing secondary absorber off, if they contain > 0,1 % w/w Butadiene | 272-875-9 | 68919-03-9 |  |  |  |  | 578 |  |  |  |  |  |  | y |
| Gases (petroleum), heavy distillate hydrotreater desulfurization stripper off   | 272-876-4 | 68919-04-0 | Gases (petroleum), heavy distillate hydrotreater desulfurization stripper off, if they contain > 0,1 % w/w Butadiene   | 272-876-4 | 68919-04-0 |  |  |  |  | 579 |  |  |  |  |  |  | y |
| Gases (petroleum), light straight run gasoline                                  | 272-878-5 | 68919-05-1 | Gases (petroleum), light straight run gasoline   | 272-878-5 | 68919-05-1 |  |  |  |  | 580 |  |  |  |  |  |  | y |

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|--|-----------|------------|---|-----------|------------|--|--|--|--|--|-----|--|--|--|--|--|--|---|
| fractionation stabilizer off   |           |            | fractionation stabiliser off, if they contain > 0,1 % w/w Butadiene   |           |            |  |  |  |  |  |     |  |  |  |  |  |  |   |
| Gases (petroleum), naphtha unifier desulfurization stripper off        | 272-879-0 | 68919-06-2 | Gases (petroleum), naphtha unifier desulfurisation stripper off, if they contain > 0,1 % w/w Butadiene        | 272-879-0 | 68919-06-2 |  |  |  |  |  | 581 |  |  |  |  |  |  | y |
| Gases (petroleum), platformer stabilizer off, light ends fractionation | 272-880-6 | 68919-07-3 | Gases (petroleum), platformer stabiliser off, light ends fractionation, if they contain > 0,1 % w/w Butadiene | 272-880-6 | 68919-07-3 |  |  |  |  |  | 582 |  |  |  |  |  |  | y |
| Gases (petroleum), preflash tower off, crude distn.                    | 272-881-1 | 68919-08-4 | Gases (petroleum), preflash tower off, crude distn., if they contain > 0,1 % w/w Butadiene                    | 272-881-1 | 68919-08-4 |  |  |  |  |  | 583 |  |  |  |  |  |  | y |
| Gases (petroleum), straight-run naphtha catalytic reforming off        | 272-882-7 | 68919-09-5 | Gases (petroleum), straight-run naphtha catalytic reforming off, if they contain > 0,1 % w/w Butadiene        | 272-882-7 | 68919-09-5 |  |  |  |  |  | 584 |  |  |  |  |  |  | y |
| Gases (petroleum), straight-run stabilizer off                         | 272-883-2 | 68919-10-8 | Gases (petroleum), straight-run stabiliser off, if they contain > 0,1 % w/w Butadiene                         | 272-883-2 | 68919-10-8 |  |  |  |  |  | 585 |  |  |  |  |  |  | y |
| Gases (petroleum), tar stripper off                                    | 272-884-8 | 68919-11-9 | Gases (petroleum), tar stripper off, if they contain > 0,1 % w/w Butadiene                                    | 272-884-8 | 68919-11-9 |  |  |  |  |  | 586 |  |  |  |  |  |  | y |
| Gases (petroleum), unifier stripper off                                | 272-885-3 | 68919-12-0 | Gases (petroleum), unifier stripper off, if they contain > 0,1 % w/w Butadiene                                | 272-885-3 | 68919-12-0 |  |  |  |  |  | 587 |  |  |  |  |  |  | y |
| Gases (petroleum), fluidized catalytic cracker splitter overheads      | 272-893-7 | 68919-20-0 | Gases (petroleum), fluidised catalytic cracker splitter overheads, if they contain > 0,1 % w/w Butadiene      | 272-893-7 | 68919-20-0 |  |  |  |  |  | 588 |  |  |  |  |  |  | y |
| Gases (petroleum), catalytic cracked naphtha debutanizer               | 273-169-3 | 68952-76-1 | Gases (petroleum), catalytic cracked naphtha debutaniser, if they contain > 0,1 % w/w Butadiene               | 273-169-3 | 68952-76-1 |  |  |  |  |  | 589 |  |  |  |  |  |  | y |

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|---|-----------|------------|--|-----------|------------|---|--|--|--|-----|--|---|--|--|--|--|
| Tail gas (petroleum), catalytic cracked distillate and naphtha stabilizer   | 273-170-9 | 68952-77-2 | Tail gas (petroleum), catalytic cracked distillate and naphtha stabiliser, if it contains > 0,1 % w/w Butadiene  | 273-170-9 | 68952-77-2 |   |  |  |  | 590 |  | y |  |  |  |  |
| Tail gas (petroleum), catalytic hydrodesulfurized naphtha separator   | 273-173-5 | 68952-79-4 | Tail gas (petroleum), catalytic hydrodesulfurized naphtha separator, if it contains > 0,1 % w/w Butadiene  | 273-173-5 | 68952-79-4 |   |  |  |  | 591 |  | y |  |  |  |  |
| Tail gas (petroleum), straight-run naphtha hydrodesulfurizer  | 273-174-0 | 68952-80-7 | Tail gas (petroleum), straight-run naphtha hydrodesulfurized, if it contains > 0,1 % w/w Butadiene   | 273-174-0 | 68952-80-7 |   |  |  |  | 592 |  | y |  |  |  |  |
| Tail gas (petroleum), thermal-cracked distillate, gas oil and naphtha absorber                                      | 273-175-6 | 68952-81-8 | Tail gas (petroleum), thermal-cracked distillate, gas oil and naphtha absorber, if it contains > 0,1 % w/w Butadiene                                       | 273-175-6 | 68952-81-8 |   |  |  |  | 593 |  | y |  |  |  |  |
| Tail gas (petroleum), thermal cracked hydrocarbon fractionation stabilizer, petroleum coking                        | 273-176-1 | 68952-82-9 | Tail gas (petroleum), thermal cracked hydrocarbon fractionation stabiliser, petroleum coking, if it contains > 0,1 % w/w Butadiene                         | 273-176-1 | 68952-82-9 |   |  |  |  | 594 |  | y |  |  |  |  |
| Gases (petroleum), light steam-cracked, butadiene conc.   | 273-265-5 | 68955-28-2 | Gases (petroleum), light steam-cracked, butadiene conc., if they contain > 0,1 % w/w Butadiene   | 273-265-5 | 68955-28-2 | y |  |  |  | 595 |  | y |  |  |  |  |
| Gases (petroleum), sponge absorber off, fluidized catalytic cracker and gas oil desulfurizer overhead fractionation | 273-269-7 | 68955-33-9 | Gases (petroleum), sponge absorber off, fluidized catalytic cracker and gas oil desulfurizer overhead fractionation, if they contain > 0,1 % w/w Butadiene | 273-269-7 | 68955-33-9 |   |  |  |  | 596 |  | y |  |  |  |  |
| Gases (petroleum), straight-run naphtha catalytic   | 273-270-2 | 68955-34-0 | Gases (petroleum), straight-run naphtha catalytic  | 273-270-2 | 68955-34-0 |   |  |  |  | 597 |  | y |  |  |  |  |

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|--|-----------|------------|---|-----------|------------|---|--|--|--|--|-----|--|---|--|--|--|--|--|
| reformer stabilizer overhead                                     |           |            | reformer stabiliser overhead, if they contain > 0,1 % w/w Butadiene                                     |           |            |   |  |  |  |  |     |  |   |  |  |  |  |  |
| Gases (petroleum), crude distn. and catalytic cracking           | 273-563-5 | 68989-88-8 | Gases (petroleum), crude distn. and catalytic cracking, if they contain > 0,1 % w/w Butadiene           | 273-563-5 | 68989-88-8 | y |  |  |  |  | 598 |  | y |  |  |  |  |  |
| Hydrocarbons, C4   | 289-339-5 | 87741-01-3 | Hydrocarbons, C4, if they contain > 0,1 % w/w Butadiene   | 289-339-5 | 87741-01-3 | y |  |  |  |  | 599 |  | y |  |  |  |  |  |
| Alkanes, C1-4, C3-rich   | 292-456-4 | 90622-55-2 | Alkanes, C1-4, C3-rich, if they contain > 0,1 % w/w Butadiene   | 292-456-4 | 90622-55-2 |   |  |  |  |  | 600 |  | y |  |  |  |  |  |
| Gases (petroleum), gas oil diethanolamine scrubber off           | 295-397-2 | 92045-15-3 | Gases (petroleum), gas oil diethanolamine scrubber off, if they contain > 0,1 % w/w Butadiene           | 295-397-2 | 92045-15-3 |   |  |  |  |  | 601 |  | y |  |  |  |  |  |
| Gases (petroleum), gas oil hydrodesulfurization effluent         | 295-398-8 | 92045-16-4 | Gases (petroleum), gas oil hydrodesulfurization effluent, if they contain > 0,1 % w/w Butadiene         | 295-398-8 | 92045-16-4 |   |  |  |  |  | 602 |  | y |  |  |  |  |  |
| Gases (petroleum), gas oil hydrodesulfurization purge            | 295-399-3 | 92045-17-5 | Gases (petroleum), gas oil hydrodesulfurization purge, if they contain > 0,1 % w/w Butadiene            | 295-399-3 | 92045-17-5 |   |  |  |  |  | 603 |  | y |  |  |  |  |  |
| Gases (petroleum), hydrogenator effluent flash drum off          | 295-400-7 | 92045-18-6 | Gases (petroleum), hydrogenator effluent flash drum off, if they contain > 0,1 % w/w Butadiene          | 295-400-7 | 92045-18-6 |   |  |  |  |  | 604 |  | y |  |  |  |  |  |
| Gases (petroleum), naphtha steam cracking high-pressure residual | 295-401-2 | 92045-19-7 | Gases (petroleum), naphtha steam cracking high-pressure residual, if they contain > 0,1 % w/w Butadiene | 295-401-2 | 92045-19-7 |   |  |  |  |  | 605 |  | y |  |  |  |  |  |
| Gases (petroleum), residue visbreaking off                       | 295-402-8 | 92045-20-0 | Gases (petroleum), residue visbreaking off, if they contain > 0,1 % w/w Butadiene                       | 295-402-8 | 92045-20-0 |   |  |  |  |  | 606 |  | y |  |  |  |  |  |
| Gases (petroleum), steam-cracker C3-rich                         | 295-404-9 | 92045-22-2 | Gases (petroleum), steam-cracker C3-rich, if they contain > 0,1   | 295-404-9 | 92045-22-2 |   |  |  |  |  | 607 |  | y |  |  |  |  |  |

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|---|-----------|---------------------|--|------------|------------|---|--|--|----|-----|---|---|---|--|--|--|--|---|
|   |           |                     | % w/w Butadiene  |            |            |   |  |  |    |     |   |   |   |  |  |  |  |   |
| Hydrocarbons, C4, steam-cracker distillate  | 295-405-4 | 92045-23-3          | Hydrocarbons, C4, steam-cracker distillate, if they contain > 0,1 % w/w Butadiene  | 295-405-4  | 92045-23-3 | y |  |  |    | 608 |   |   | y |  |  |  |  |   |
| Petroleum gases, liquefied, sweetened, C4 fraction  | 295-463-0 | 92045-80-2          | Petroleum gases, liquefied, sweetened, C4 fraction, if they contain > 0,1 % w/w Butadiene  | 295-463-0  | 92045-80-2 | y |  |  |    | 609 |   |   | y |  |  |  |  |   |
| Hydrocarbons, C4, 1,3-butadiene- and isobutene-free   | 306-004-1 | 95465-89-7          | Hydrocarbons, C4, 1,3-butadiene- and isobutene-free, if they contain > 0,1 % w/w Butadiene   | 306-004-1  | 95465-89-7 | y |  |  |    | 610 |   |   | y |  |  |  |  |   |
| Raffinates (petroleum), steam-cracked C4 fraction cuprous ammonium acetate extn., C3-5 and C3-5 unsatd., butadiene-free | 307-769-4 | 97722-19-5          | Raffinates (petroleum), steam-cracked C4 fraction cuprous ammonium acetate extn., C3-5 and C3-5 unsatd., butadiene-free, if they contain > 0,1 % w/w Butadiene | 307-769-4  | 97722-19-5 |   |  |  |    | 611 |   |   | y |  |  |  |  |   |
| Benzo[def]chrysene  | 200-028-5 | 50-32-8, 63466-71-7 | Benzo[def]chrysene (benzo[a]pyrene), Benzene-a-pyrene (BaP), Benzo[a]pyrene  | 200-028-5, | 50-32-8    |   |  |  | 15 | 612 | y | y | y |  |  |  |  | y |
| Pitch, coal tar-petroleum   | 269-109-0 | 68187-57-5          | Pitch, coal tar-petroleum, if it contains > 0,005 % w/w benzo[a]pyrene   | 269-109-0  | 68187-57-5 |   |  |  |    | 613 |   |   | y |  |  |  |  |   |
| Distillates (coal-petroleum), condensed-ring arom.  | 269-159-3 | 68188-48-7          | Distillates (coal-petroleum), condensed-ring arom., if they contain > 0,005 % w/w benzo[a]pyrene   | 269-159-3  | 68188-48-7 |   |  |  |    | 614 |   |   | y |  |  |  |  |   |
| Creosote oil, acenaphthene fraction, acenaphthene-free  | 292-606-9 | 90640-85-0          | Creosote oil, acenaphthene fraction, acenaphthene-free, if it contains > 0,005 % w/w benzo[a]pyrene  | 292-606-9  | 90640-85-0 |   |  |  |    | 617 |   |   | y |  |  |  |  |   |
| Pitch, coal tar, low-temp.  | 292-651-4 | 90669-57-1          | Pitch, coal tar, low-temp., if it contains > 0,005 % w/w benzo[a]pyrene  | 292-651-4  | 90669-57-1 |   |  |  |    | 618 |   |   | y |  |  |  |  |   |

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|--|-----------|------------|--|-----------|------------|--|--|--|--|-----|--|---|--|--|--|--|
| Pitch, coal tar, low-temp., heat-treated                       | 292-653-5 | 90669-58-2 | Pitch, coal tar, low-temp., heat-treated, if it contains > 0,005 % w/w benzo[a]pyrene                        | 292-653-5 | 90669-58-2 |  |  |  |  | 619 |  | y |  |  |  |  |
| Pitch, coal tar, low-temp., oxidized                           | 292-654-0 | 90669-59-3 | Pitch, coal tar, low-temp., oxidized, if it contains > 0,005 % w/w benzo[a]pyrene                            | 292-654-0 | 90669-59-3 |  |  |  |  | 620 |  | y |  |  |  |  |
| Extract residues (coal), brown                                 | 294-285-0 | 91697-23-3 | Extract residues (coal), brown, if they contain > 0,005 % w/w benzo[a]pyrene                                 | 294-285-0 | 91697-23-3 |  |  |  |  | 621 |  | y |  |  |  |  |
| Paraffin waxes (coal), brown-coal high-temp. tar               | 295-454-1 | 92045-71-1 | Paraffin waxes (coal), brown-coal high-temp. tar, if they contain > 0,005 % w/w benzo[a]pyrene               | 295-454-1 | 92045-71-1 |  |  |  |  | 622 |  | y |  |  |  |  |
| Paraffin waxes (coal), brown-coal high-temp. tar, hydrotreated | 295-455-7 | 92045-72-2 | Paraffin waxes (coal), brown-coal high-temp. tar, hydrotreated, if they contain > 0,005 % w/w benzo[a]pyrene | 295-455-7 | 92045-72-2 |  |  |  |  | 623 |  | y |  |  |  |  |
| Waste solids, coal-tar pitch coking                            | 295-549-8 | 92062-34-5 | Waste solids, coal-tar pitch coking, if they contain > 0,005 % w/w benzo[a]pyrene                            | 295-549-8 | 92062-34-5 |  |  |  |  | 624 |  | y |  |  |  |  |
| Pitch, coal tar, high-temp., secondary                         | 302-650-3 | 94114-13-3 | Pitch, coal tar, high-temp., secondary, if it contains > 0,005 % w/w benzo[a]pyrene                          | 302-650-3 | 94114-13-3 |  |  |  |  | 625 |  | y |  |  |  |  |
| Residues (coal), liq. solvent extn.                            | 302-681-2 | 94114-46-2 | Residues (coal), liq. solvent extn., if they contain > 0,005 % w/w benzo[a]pyrene                            | 302-681-2 | 94114-46-2 |  |  |  |  | 626 |  | y |  |  |  |  |
| Coal liquids, liq. solvent extn. soln.                         | 302-682-8 | 94114-47-3 | Coal liquids, liq. solvent extn. soln., if they contain > 0,005 % w/w benzo[a]pyrene                         | 302-682-8 | 94114-47-3 |  |  |  |  | 627 |  | y |  |  |  |  |
| Coal liquids, liq. solvent extn.                               | 302-683-3 | 94114-48-4 | Coal liquids, liq. solvent extn., if they contain > 0,005 % w/w benzo[a]pyrene                               | 302-683-3 | 94114-48-4 |  |  |  |  | 628 |  | y |  |  |  |  |
| Paraffin waxes   | 308-296-6 | 97926-76-6 | Paraffin waxes (coal), brown-  | 308-296-6 | 97926-76-6 |  |  |  |  | 629 |  | y |  |  |  |  |



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|--|-----------|-------------|--|-----------|-------------|---|--|--|--|-----|--|--|---|--|--|--|--|
| (coal), brown-coal high-temp. tar, carbon-treated  |           |             | coal high-temp. tar, carbon-treated, if they contain > 0,005 % w/w benzo[a]pyrene  |           |             |   |  |  |  |     |  |  |   |  |  |  |  |
| Paraffin waxes (coal), brown-coal high-temp tar, clay-treated  | 308-297-1 | 97926-77-7  | Paraffin waxes (coal), brown-coal high-temp tar, clay-treated, if they contain > 0,005 % w/w benzo[a]pyrene  | 308-297-1 | 97926-77-7  |   |  |  |  | 630 |  |  | y |  |  |  |  |
| Paraffin waxes (coal), brown-coal high-temp tar, silicic acid-treated  | 308-298-7 | 97926-78-8  | Paraffin waxes (coal), brown-coal high-temp tar, silicic acid-treated, if they contain > 0,005 % w/w benzo[a]pyrene  | 308-298-7 | 97926-78-8  |   |  |  |  | 631 |  |  | y |  |  |  |  |
| Absorption oils, bicyclo arom. and heterocyclic hydrocarbon fraction   | 309-851-5 | 101316-45-4 | Absorption oils, bicyclo arom. and heterocyclic hydrocarbon fraction, if they contain > 0,005 % w/w benzo[a]pyrene   | 309-851-5 | 101316-45-4 |   |  |  |  | 632 |  |  | y |  |  |  |  |
| Aromatic hydrocarbons, C20-28, polycyclic, mixed coal-tar pitch-polyethylene - polypropylene pyrolysis-derived | 309-956-6 | 101794-74-5 | Aromatic hydrocarbons, C20-28, polycyclic, mixed coal-tar pitch-polyethylene polypropylene pyrolysis-derived, if they contain > 0,005 % w/w benzo[a]pyrene | 309-956-6 | 101794-74-5 |   |  |  |  | 633 |  |  | y |  |  |  |  |
| Aromatic hydrocarbons, C20-28, polycyclic, mixed coal-tar pitch-polyethylene pyrolysis-derived                 | 309-957-1 | 101794-75-6 | Aromatic hydrocarbons, C20-28, polycyclic, mixed coal-tar pitch-polyethylene pyrolysis-derived, if they contain > 0,005 % w/w benzo[a]pyrene               | 309-957-1 | 101794-75-6 |   |  |  |  | 634 |  |  | y |  |  |  |  |
| Aromatic hydrocarbons, C20-28, polycyclic, mixed coal-tar pitch-polystyrene pyrolysis-derived                  | 309-958-7 | 101794-76-7 | Aromatic hydrocarbons, C20-28, polycyclic, mixed coal-tar pitch-polystyrene pyrolysis-derived, if they contain > 0,005 % w/w benzo[a]pyrene                | 309-958-7 | 101794-76-7 |   |  |  |  | 635 |  |  | y |  |  |  |  |
| Pitch, coal tar, high-   | 310-162-7 | 121575-60-8 | Pitch, coal tar, high-temp.,   | 310-162-7 | 121575-60-8 | y |  |  |  | 636 |  |  | y |  |  |  |  |

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|------------------------------|-----------|----------------------|---|------------|----------|---|--|--|--|--|--|-----|--|--|---|--|---|---|
| temp., heat-treated          |           |                      | heat-treated, if it contains > 0,005 % w/w benzo[a]pyrene |            |          |   |  |  |  |  |  |     |  |  |   |  |   |   |
| Dibenz[a,h]anthracene        | 200-181-8 | 53-70-3              | Dibenz[a,h]anthracene, Dibenzo(a,h)anthracene             | 200-181-8, | 53-70-3  |   |  |  |  |  |  | 637 |  |  | y |  |   | y |
| Benz[a]anthracene            | 200-280-6 | 56-55-3, 1718-53-2   | Benz[a]anthracene, Benzo(a)anthracene                     | 200-280-6, | 56-55-3  |   |  |  |  |  |  | 638 |  |  | y |  |   | y |
| Benzo[e]pyrene               | 205-892-7 | 192-97-2             | Benzo[e]pyrene  | 205-892-7  | 192-97-2 |   |  |  |  |  |  | 639 |  |  | y |  |   |   |
| Benzo[j]fluoranthene         | 205-910-3 | 205-82-3             | Benzo[j]fluoranthene, Benzo(j)fluoranthene                | 205-910-3, | 205-82-3 |   |  |  |  |  |  | 640 |  |  | y |  |   | y |
| Benzo[e]acephenanthrylene    | 205-911-9 | 205-99-2             | Benz(e)acephenanthrylene, Benzo(b)fluoranthene            | 205-911-9, | 205-99-2 |   |  |  |  |  |  | 641 |  |  | y |  |   | y |
| Benzo[k]fluoranthene         | 205-916-6 | 207-08-9             | Benzo(k)fluoranthene                                      | 205-916-6, | 207-08-9 |   |  |  |  |  |  | 642 |  |  | y |  |   | y |
| Chrysene                     | 205-923-4 | 218-01-9, 1719-03-5  | Chrysene  | 205-923-4, | 218-01-9 |   |  |  |  |  |  | 643 |  |  | y |  |   | y |
| 2-bromopropane               | 200-855-1 | 75-26-3              | 2-Bromopropane  | 200-855-1  | 75-26-3  | y |  |  |  |  |  | 644 |  |  |   |  | y |   |
| Trichloroethylene            | 201-167-4 | 79-01-6              | Trichloroethylene   | 201-167-4  | 79-01-6  | y |  |  |  |  |  | 645 |  |  | y |  |   | y |
| 1,2-dibromo-3-chloropropane  | 202-479-3 | 96-12-8              | 1,2-Dibromo-3-chloropropane                               | 202-479-3  | 96-12-8  | y |  |  |  |  |  | 646 |  |  | y |  | y |   |
| 2,3-dibromopropan-1-ol       | 202-480-9 | 96-13-9              | 2,3-Dibromopropan-1-ol                                    | 202-480-9  | 96-13-9  |   |  |  |  |  |  | 647 |  |  | y |  | y |   |
| 1,3-dichloropropan-2-ol      | 202-491-9 | 96-23-1              | 1,3-Dichloropropan-2-ol                                   | 202-491-9  | 96-23-1  | y |  |  |  |  |  | 648 |  |  | y |  |   |   |
| α,α,α-trichlorotoluene       | 202-634-5 | 98-07-7              | α,α,α-Trichlorotoluene                                    | 202-634-5  | 98-07-7  | y |  |  |  |  |  | 649 |  |  | y |  |   | y |
| α-chlorotoluene              | 202-853-6 | 100-44-7             | α-Chlorotoluene (Benzyl chloride)                         | 202-853-6  | 100-44-7 | y |  |  |  |  |  | 650 |  |  | y |  |   | y |
| 1,2-dibromoethane            | 203-444-5 | 106-93-4             | 1,2-Dibromoethane   | 203-444-5  | 106-93-4 | y |  |  |  |  |  | 651 |  |  | y |  |   | y |
| Hexachlorobenzene            | 204-273-9 | 118-74-1             | Hexachlorobenzene   | 204-273-9  | 118-74-1 |   |  |  |  |  |  | 652 |  |  | y |  |   |   |
| Bromoethylen                 | 209-800-6 | 593-60-2             | Bromoethylene (Vinyl bromide)                             | 209-800-6  | 593-60-2 | y |  |  |  |  |  | 653 |  |  | y |  |   |   |
| 1,4-dichlorobut-2-ene        | 212-121-8 | 764-41-0             | 1,4-Dichlorobut-2-ene                                     | 212-121-8  | 764-41-0 |   |  |  |  |  |  | 654 |  |  | y |  |   | y |
| Methyloxirane                | 200-879-2 | 75-56-9              | Methyloxirane (Propylene oxide)                           | 200-879-2  | 75-56-9  | y |  |  |  |  |  | 655 |  |  | y |  |   | y |
| (epoxyethyl)benzene          | 202-476-7 | 96-09-3              | (Epoxyethyl)benzene (Styrene oxide)                       | 202-476-7  | 96-09-3  | y |  |  |  |  |  | 656 |  |  | y |  |   | y |
| 1-chloro-2,3-epoxypropane    | 203-439-8 | 106-89-8             | 1-Chloro-2,3-epoxypropane (Epichlorohydrin)               | 203-439-8  | 106-89-8 | y |  |  |  |  |  | 657 |  |  | y |  | y | y |
| (2S)-2-(chloromethyl)oxirane | 482-080-0 | 106-89-8, 67843-74-7 | 1-Chloro-2,3-epoxypropane (Epichlorohydrin)               | 203-439-8  | 106-89-8 | y |  |  |  |  |  | 657 |  |  |   |  |   |   |

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|--|-----------|--------------------------|--|-----------|-------------|---|--|--|--|-----|---|---|---|---|
| (R)-1-chloro-2,3-epoxypropane  | 424-280-2 | 51594-55-9               | R-1-Chloro-2,3-epoxypropane  | 424-280-2 | 51594-55-9  | y |  |  |  | 658 | y | y |   | y |
| (R)-(-)-2-(Chloromethyl)oxirane  | 628-656-9 | 51594-55-9               | R-1-Chloro-2,3-epoxypropane  | 424-280-2 | 51594-55-9  |   |  |  |  | 658 |   |   |   |   |
| 2,3-epoxypropyl phenyl ether   | 204-557-2 | 122-60-1                 | 1,2-Epoxy-3-phenoxypropane (Phenylglycidyl ether)  | 204-557-2 | 122-60-1    | y |  |  |  | 659 | y | y |   | y |
| 2,3-epoxypropan-1-ol   | 209-128-3 | 556-52-5                 | 2,3-Epoxypropan-1-ol (Glycidol)  | 209-128-3 | 556-52-5    | y |  |  |  | 660 |   | y | y | y |
| R-2,3-epoxy-1-propanol   | 404-660-4 | 57044-25-4               | R-2,3-Epoxy-1-propanol   | 404-660-4 | 57044-25-4  | y |  |  |  | 661 |   | y | y | y |
| [No public or meaningful name is available]  | 629-598-7 | 57044-25-4               | R-2,3-Epoxy-1-propanol   | 404-660-4 | 57044-25-4  |   |  |  |  | 661 |   |   |   |   |
| 2,2'-bioxirane   | 215-979-1 | 1464-53-5                | 2,2'-Bioxirane (1,2:3,4-Diepoxybutane)   | 215-979-1 | 1464-53-5   |   |  |  |  | 662 |   | y |   | y |
| (2RS,3RS)-3-(2-chlorophenyl)-2-(4-fluorophenyl)-[(1H-1,2,4-triazol-1-yl)methyl]oxirane | 406-850-2 | 106325-08-0, 133855-98-8 | (2RS,3RS)-3-(2-Chlorophenyl)-2-(4-fluorophenyl)-[1H-1,2,4-triazol-1-yl)methyl]oxirane; Epoxiconazole | 406-850-2 | 133855-98-8 | y |  |  |  | 663 |   | y | y |   |
| Epoxiconazole  | 600-739-4 | 106325-08-0, 133855-98-8 | (2RS,3RS)-3-(2-Chlorophenyl)-2-(4-fluorophenyl)-[1H-1,2,4-triazol-1-yl)methyl]oxirane; Epoxiconazole | 406-850-2 | 133855-98-8 |   |  |  |  | 663 |   |   |   |   |
| 1-[3-(2-chlorophenyl)-2-(4-fluorophenyl)-oxiranylmethyl]-1.H.-[1,2,4]triazole          | 603-768-0 | 133855-98-8              | (2RS,3RS)-3-(2-Chlorophenyl)-2-(4-fluorophenyl)-[1H-1,2,4-triazol-1-yl)methyl]oxirane; Epoxiconazole | 406-850-2 | 133855-98-8 |   |  |  |  | 663 |   |   |   |   |
| Chloromethyl methyl ether  | 203-480-1 | 107-30-2                 | Chloromethyl methyl ether  | 203-480-1 | 107-30-2    |   |  |  |  | 664 |   | y |   |   |
| 2-methoxyethanol   | 203-713-7 | 109-86-4, 109-87-5       | 2-Methoxyethanol and its acetate (2-Methoxyethyl acetate)  | 203-713-7 | 109-86-4    | y |  |  |  | 665 |   |   | y |   |
| 2-methoxyethyl acetate   | 203-772-9 | 110-49-6                 | 2-Methoxyethanol and its acetate (2-Methoxyethyl acetate)  | 203-772-9 | 110-49-6    |   |  |  |  | 665 |   |   | y |   |
| 2-ethoxyethanol  | 203-804-1 | 110-80-5                 | 2-Ethoxyethanol and its acetate (2-Ethoxyethyl acetate)  | 203-804-1 | 110-80-5    | y |  |  |  | 666 |   |   | y |   |



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|--|-----------|------------|---|------------|------------------|---|--|----|----|--|-----|---|---|---|--|---|
| 2,4-dinitrotoluene   | 204-450-0 | 121-14-2   | 2,4-Dinitrotoluene; technical grade   | 204-450-0  | 121-14-2         |   |  |    |    |  | 687 |   | y | y |  |   |
| Dinitrotoluene   | 246-836-1 | 25321-14-6 | 2,4-Dinitrotoluene; technical grade   | 246-836-1  | 25321-14-6       | y |  |    |    |  | 687 |   | y | y |  |   |
| Binapacryl   | 207-612-9 | 485-31-4   | Binapacryl  | 207-612-9  | 485-31-4         |   |  |    |    |  | 688 |   |   | y |  |   |
| 2-nitronaphthalene   | 209-474-5 | 581-89-5   | 2-Nitronaphthalene  | 209-474-5  | 581-89-5         |   |  |    |    |  | 689 |   | y |   |  |   |
| 2,3-dinitrotoluene   | 210-013-5 | 602-01-7   | 2,3-Dinitrotoluene  | 210-013-5  | 602-01-7         |   |  |    |    |  | 690 |   | y | y |  |   |
| 1,2-dihydro-5-nitroacenaphthylene  | 210-025-0 | 602-87-9   | 5-Nitroacenaphthene   | 210-025-0  | 602-87-9         |   |  |    |    |  | 691 |   | y |   |  |   |
| 2,6-dinitrotoluene   | 210-106-0 | 606-20-2   | 2,6-Dinitrotoluene  | 210-106-0  | 606-20-2         |   |  |    |    |  | 692 |   | y | y |  |   |
| 3,4-dinitrotoluene   | 210-222-1 | 610-39-9   | 3,4-Dinitrotoluene  | 210-222-1  | 610-39-9         |   |  |    |    |  | 693 |   | y | y |  |   |
| 3,5-dinitrotoluene   | 210-566-2 | 618-85-9   | 3,5-Dinitrotoluene  | 210-566-2  | 618-85-9         |   |  |    |    |  | 694 |   | y | y |  |   |
| 2,5-dinitrotoluene   | 210-581-4 | 619-15-8   | 2,5-Dinitrotoluene  | 210-581-4  | 619-15-8         |   |  |    |    |  | 695 |   | y | y |  |   |
| Dinoterb   | 215-813-8 | 1420-07-1  | Dinoterb, its salts and esters  | 215-813-8  | 1420-07-1        |   |  |    |    |  | 696 |   |   | y |  |   |
| Nitrofen   | 217-406-0 | 1836-75-5  | Nitrofen  | 217-406-0  | 1836-75-5        |   |  |    |    |  | 697 |   | y | y |  |   |
| Diazomethane   | 206-382-7 | 334-88-3   | Diazomethane  | 206-382-7  | 334-88-3         |   |  |    |    |  | 699 |   | y |   |  |   |
| 1,4,5,8-tetraaminoanthraquinone  | 219-603-7 | 2475-45-8  | 1,4,5,8-Tetraaminoanthraquinone (Disperse Blue 1), Disperse Blue 1                    | 219-603-7, | 2475-45-8        |   |  |    | 13 |  | 700 | y | y |   |  | y |
| 1-methyl-3-nitro-1-nitrosoguanidine                                      | 200-730-1 | 70-25-7    | 1-Methyl-3-nitro-1-nitrosoguanidine   | 200-730-1  | 70-25-7          |   |  |    |    |  | 702 |   | y |   |  | y |
| 4,4'-methylenedianiline  | 202-974-4 | 101-77-9   | 4,4'-methylenedianiline, 4,4'-Methylenedianiline, 4,4'-Methylenedianiline             | 202-974-4, | 101-77-9         | y |  | 16 |    |  | 705 | y | y |   |  | y |
| 4,4'-(4-iminocyclohexa-2,5-dienylidene methylene)dianiline hydrochloride | 209-321-2 | 569-61-9   | 4,4'-(4-iminocyclohexa-2,5-dienylidene methylene)dianiline hydrochloride, Basic Red 9 | 209-321-2, | 569-61-9         |   |  |    | 9  |  | 706 |   | y |   |  |   |
| 4,4'-methylenedio-toluidine  | 212-658-8 | 838-88-0   | 4,4'-methylenedio-toluidine, 4,4'-Methylenedio-toluidine, 4,4'-Methylenedio-toluidine | 212-658-8, | 838-88-0         | y |  | 17 |    |  | 707 | y | y |   |  | y |
| o-anisidine  | 201-963-1 | 90-04-0    | o-anisidine, o-Anisidine  | 201-963-1, | 90-04-4, 90-04-0 | y |  | 5  |    |  | 708 |   | y |   |  | y |



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|--|-----------|-------------|---|------------|-------------|---|---|--|--|--|--|--|--|--|--|--|--|--|
| enyl dyes, with the exception of those mentioned elsewhere in this Annex   |           |             |   |            |             |   |   |  |  |  |  |  |  |  |  |  |  |  |
| Biphenyl-4-ylamine   | 202-177-1 | 92-67-1     | Biphenyl-4-ylamine, Biphenyl-4-ylamine (4-Aminobiphenyl) and its salts  | 202-177-1, | 92-67-1     |   |   |  |  |  |  |  |  |  |  |  |  |  |
| Azobenzene   | 203-102-5 | 103-33-3    | Azobenzene  | 203-102-5  | 103-33-3    |   | 7 |  |  |  |  |  |  |  |  |  |  |  |
| (methyl-ONN-azoxy)methyl acetate   | 209-765-7 | 592-62-1    | (Methyl-ONN-azoxy)methyl acetate  | 209-765-7  | 592-62-1    |   |   |  |  |  |  |  |  |  |  |  |  |  |
| Cicloheximide  | 200-636-0 | 66-81-9     | Cycloheximide   | 200-636-0  | 66-81-9     |   |   |  |  |  |  |  |  |  |  |  |  |  |
| 2-methylaziridine  | 200-878-7 | 75-55-8     | 2-Methylaziridine   | 200-878-7  | 75-55-8     | y |   |  |  |  |  |  |  |  |  |  |  |  |
| Imidazolidine-2-thione   | 202-506-9 | 96-45-7     | Imidazolidine-2-thione (Ethylene thiourea)                              | 202-506-9  | 96-45-7     | y |   |  |  |  |  |  |  |  |  |  |  |  |
| Furan  | 203-727-3 | 110-00-9    | Furan   | 203-727-3  | 110-00-9    | y |   |  |  |  |  |  |  |  |  |  |  |  |
| Aziridine  | 205-793-9 | 151-56-4    | Aziridine   | 205-793-9  | 151-56-4    | y |   |  |  |  |  |  |  |  |  |  |  |  |
| Captafol   | 219-363-3 | 2425-06-1   | Captafol  | 219-363-3  | 2425-06-01  |   |   |  |  |  |  |  |  |  |  |  |  |  |
| Carbadox   | 229-879-0 | 6804-07-5   | Carbadox  | 229-879-0  | 6804-07-05  |   |   |  |  |  |  |  |  |  |  |  |  |  |
| 2-[7-fluoro-3-oxo-4-(prop-2-yn-1-yl)-3,4-dihydro-2H-1,4-benzoxazin-6-yl]-4,5,6,7-tetrahydro-1H-isoindole-1,3(2H)-dione | 600-425-7 | 103361-09-7 | Flumioxazin   |            | 103361-09-7 |   |   |  |  |  |  |  |  |  |  |  |  |  |
| Tridemorph   | 246-347-3 | 24602-86-6  | Tridemorph  | 246-347-3  | 24602-86-6  |   |   |  |  |  |  |  |  |  |  |  |  |  |
| N-3,5-dichlorophenyl-5-methyl-5-vinyl-1,3-oxazolidine-2,4-dione  | 256-599-6 | 50471-44-8  | Vinclozolin   | 256-599-6  | 50471-44-8  |   |   |  |  |  |  |  |  |  |  |  |  |  |
| bis(4-fluorophenyl)(methyl)(1H-1,2,4-triazol-1-ylmethyl)silane   | 617-717-5 | 85509-19-9  | Flusilazole   |            | 85509-19-9  |   |   |  |  |  |  |  |  |  |  |  |  |  |
| 1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione   | 219-514-3 | 2451-62-9   | 1,3,5-Tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione (TGIC) | 219-514-3  | 2451-62-9   | y |   |  |  |  |  |  |  |  |  |  |  |  |
| Thioacetamide  | 200-541-4 | 62-55-5     | Thioacetamide   | 200-541-4  | 62-55-5     | y |   |  |  |  |  |  |  |  |  |  |  |  |
| Formamide  | 200-842-0 | 75-12-7     | Formamide   | 200-842-0  | 75-12-7     | y |   |  |  |  |  |  |  |  |  |  |  |  |

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|--|-----------|-------------|---|-----------|-------------|---|--|--|--|-----|---|---|---|---|--|
| N-methylacetamide  | 201-182-6 | 79-16-3     | N-Methylacetamide   | 201-182-6 | 79-16-3     | y |  |  |  | 745 |   |   | y |   |  |
| N-methylformamide  | 204-624-6 | 123-39-7    | N-Methylformamide   | 204-624-6 | 123-39-7    | y |  |  |  | 746 |   |   | y |   |  |
| N,N-dimethylacetamide  | 204-826-4 | 127-19-5    | N,N-Dimethylacetamide   | 204-826-4 | 127-19-5    | y |  |  |  | 747 |   |   | y |   |  |
| Hexamethylphosphoric triamide  | 211-653-8 | 680-31-9    | Hexamethylphosphoric triamide   | 211-653-8 | 680-31-9    |   |  |  |  | 748 |   | y |   |   |  |
| Diethyl sulphate   | 200-589-6 | 64-67-5     | Diethyl sulphate  | 200-589-6 | 64-67-5     | y |  |  |  | 749 |   | y |   | y |  |
| Dimethyl sulphate  | 201-058-1 | 77-78-1     | Dimethyl sulphate   | 201-058-1 | 77-78-1     | y |  |  |  | 750 | y | y |   | y |  |
| 1,3-propanesultone   | 214-317-9 | 1120-71-4   | 1,3-Propanesultone  | 214-317-9 | 1120-71-4   | y |  |  |  | 751 |   | y |   |   |  |
| Dimethylsulphamoyl chloride  | 236-412-4 | 13360-57-1  | Dimethylsulphamoyl-chloride   | 236-412-4 | 13360-57-1  | y |  |  |  | 752 |   | y |   | y |  |
| Sulfallate   | 202-388-9 | 95-06-7     | Sulfallate  | 202-388-9 | 95-06-7     |   |  |  |  | 753 |   | y |   |   |  |
| A mixture of: 4-[[bis-(4-fluorophenyl)methylsilyl]methyl]-4H-1,2,4-triazole; 1-[[bis-(4-fluorophenyl)methylsilyl]methyl]-1H-1,2,4-triazole | 403-250-2 | -           | A mixture of: 4-[[bis-(4-Fluorophenyl)methylsilyl]methyl]-4H-1,2,4-triazole and 1-[[bis-(4-fluorophenyl)methylsilyl]methyl]-1H-1,2,4-triazole | 403-250-2 |             | y |  |  |  | 754 |   | y | y |   |  |
| (+/-) tetrahydrofurfuryl (R)-2-[4-(6-chloroquinoxalin-2-yloxy)phenyloxy]propionate   | 414-200-4 | 119738-06-6 | (+/-)-Tetrahydrofurfuryl -(R)-2-[4-(6-chloroquinoxalin-2-yloxy)phenyloxy]propionate   |           | 119738-06-6 | y |  |  |  | 755 |   | y | y |   |  |
| (±)-Tetrahydrofurfuryl (R)-2-[4-(6-chloroquinoxalin-2-yloxy)phenyloxy]propionate   | 601-628-3 | 119738-06-6 | (+/-)-Tetrahydrofurfuryl -(R)-2-[4-(6-chloroquinoxalin-2-yloxy)phenyloxy]propionate   |           | 119738-06-6 |   |  |  |  | 755 |   |   |   |   |  |
| 6-hydroxy-1-(3-isopropoxypropyl)-4-methyl-2-oxo-5-[4-(phenylazo)phenylazo]-1,2-dihydro-3-pyridinecarbonitrile                              | 400-340-3 | 85136-74-9  | 6-Hydroxy-1-(3-Isopropoxypropyl)-4-methyl-2-oxo-5-[4-(phenylazo)phenylazo]-1,2-dihydro-3-pyridinecarbonitrile                                 | 400-340-3 | 85136-74-9  | y |  |  |  | 756 |   | y |   |   |  |
| (6-(4-hydroxy-3-(2-methoxyphenylazo)-2-sulfonato-7-naphthylamino)-1,3,5-triazin-2,4-diyloxy)bis(amino-1-                                   | 402-060-7 | 108225-03-2 | (6-(4-Hydroxy-3-(2-methoxyphenylazo)-2-sulfonato-7-naphthylamino)-1,3,5-triazine-2,4-diyloxy)bis(amino-1-methylethyl)a                        | 402-060-7 | 108225-03-2 | y |  |  |  | 757 |   | y |   | y |  |



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|--|-----------|-------------|---|------------|--|--|--|--|--|--|-----|--|--|---|---|--|---|--|
| methylethyl ammonium] formate  |           |             | mmonium] formate  |            |  |  |  |  |  |  |     |  |  |   |   |  |   |  |
| Trisodium [4'-(8-acetylamino-3,6-disulfonato-2-naphthylazo)-4''-(6-benzoylamino-3-sulfonato-2-naphthylazo)-biphenyl-1,3',3'',1'''-tetraolato-O,O',O'',O'''] copper(II)   | 413-590-3 | 164058-22-4 | Trisodium [4'-(8-acetylamino-3,6-disulfonato-2-naphthylazo)-4''-(6-benzoylamino-3-Sulfonato-2-naphthylazo)-biphenyl-1,3',3'',1'''-tetraolato-O,O',O'',O'''] copper(II)  | 413-590-3  |  |  |  |  |  |  | 758 |  |  | y |   |  |   |  |
| A mixture of: N-[3-hydroxy-2-(2-methylacryloylaminomethoxy)propoxymethyl]-2-methylacrylamide; N-[2,3-bis-(2-methylacryloylaminomethoxy)propoxymethyl]-2-methylacrylamide; methacrylamide; 2-methyl-N-(2-methylacryloylaminomethoxymethyl)acrylamide; N-(2,3-dihydroxypropoxymethyl)-2-methylacrylamide | 412-790-8 | -           | A mixture of: N-[3-Hydroxy-2-(2-methylacryloylaminomethoxy)propoxymethyl]-2-methylacrylamide and N-[2,3-bis-(2-Methylacryloylaminomethoxy)propoxymethyl]-2-methylacrylamide and methacrylamide and 2-methyl-N-(2-methylacryloylaminomethoxymethyl)-acrylamide and N-(2,3-dihydroxypropoxymethyl)-2-methylacrylamide | 412-790-8  |  |  |  |  |  |  | 759 |  |  | y |   |  |   |  |
| 1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione   | 423-400-0 | 59653-74-6  | 1,3,5-tris-[(2S and 2R)-2,3-Epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (Teroxirone)  | 59653-74-6 |  |  |  |  |  |  | 760 |  |  | y | y |  | y |  |
| 1,3,5-tris-[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione  | 611-858-6 | 59653-74-6  | 1,3,5-tris-[(2S and 2R)-2,3-Epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (Teroxirone)  | 59653-74-6 |  |  |  |  |  |  | 760 |  |  |   |   |  |   |  |
| erionite   | 620-440-2 | 12510-42-8  | Erionite  | 12510-42-8 |  |  |  |  |  |  | 761 |  |  | y |   |  |   |  |
| asbestos   | 616-471-6 | 77536-66-4  | Asbestos  | 12001-28-4 |  |  |  |  |  |  | 762 |  |  | y |   |  |   |  |
| asbestos   | 616-473-7 | 77536-68-6  | Asbestos  | 12001-28-4 |  |  |  |  |  |  | 762 |  |  | y |   |  |   |  |
| asbestos   | 616-472-1 | 77536-67-5  | Asbestos  | 12001-28-4 |  |  |  |  |  |  | 762 |  |  | y |   |  |   |  |
| asbestos   | 601-801-3 | 12172-73-5  | Asbestos  | 12001-28-4 |  |  |  |  |  |  | 762 |  |  | y |   |  |   |  |

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|---|-----------|----------------------------|---|-----------|------------|---|--|--|--|---------|--|---|--|--|--|--|
| asbestos  | 601-650-3 | 12001-29-5,<br>132207-32-0 | Asbestos  |           | 12001-28-4 |   |  |  |  | 76<br>2 |  | y |  |  |  |  |
| asbestos  | 601-649-8 | 12001-28-4                 | Asbestos  |           | 12001-28-4 |   |  |  |  | 76<br>2 |  | y |  |  |  |  |
| asbestos  | -         | 132207-32-0                | Asbestos  |           | 12001-28-4 |   |  |  |  | 76<br>2 |  | y |  |  |  |  |
| Petroleum   | 232-298-5 | 8002-05-9                  | Petroleum   | 232-298-5 | 8002-05-09 |   |  |  |  | 76<br>3 |  | y |  |  |  |  |
| Distillates (petroleum), heavy hydrocracked               | 265-077-7 | 64741-76-0                 | Distillates (petroleum), heavy hydrocracked, if they contain > 3 % w/w DMSO extract               | 265-077-7 | 64741-76-0 | y |  |  |  | 76<br>4 |  | y |  |  |  |  |
| Distillates (petroleum), solvent-refined heavy paraffinic | 265-090-8 | 64741-88-4                 | Distillates (petroleum), solvent-refined heavy paraffinic, if they contain > 3 % w/w DMSO extract | 265-090-8 | 64741-88-4 | y |  |  |  | 76<br>5 |  | y |  |  |  |  |
| Distillates (petroleum), solvent-refined light paraffinic | 265-091-3 | 64741-89-5                 | Distillates (petroleum), solvent-refined light paraffinic, if they contain > 3 % w/w DMSO extract | 265-091-3 | 64741-89-5 | y |  |  |  | 76<br>6 |  | y |  |  |  |  |
| Residual oils (petroleum), solvent deasphalted            | 265-096-0 | 64741-95-3                 | Residual oils (petroleum), solvent deasphalted, if they contain > 3 % w/w DMSO extract            | 265-096-0 | 64741-95-3 | y |  |  |  | 76<br>7 |  | y |  |  |  |  |
| Distillates (petroleum), solvent-refined heavy naphthenic | 265-097-6 | 64741-96-4                 | Distillates (petroleum), solvent-refined heavy naphthenic, if they contain > 3 % w/w DMSO extract | 265-097-6 | 64741-96-4 | y |  |  |  | 76<br>8 |  | y |  |  |  |  |
| Distillates (petroleum), solvent-refined light naphthenic | 265-098-1 | 64741-97-5                 | Distillates (petroleum), solvent-refined light naphthenic, if they contain > 3 % w/w DMSO extract | 265-098-1 | 64741-97-5 | y |  |  |  | 76<br>9 |  | y |  |  |  |  |
| Residual oils (petroleum), solvent-refined                | 265-101-6 | 64742-01-4                 | Residual oils (petroleum), solvent-refined, if they contain > 3 % w/w DMSO extract                | 265-101-6 | 64742-01-4 | y |  |  |  | 77<br>0 |  | y |  |  |  |  |
| Distillates (petroleum), clay-treated heavy paraffinic    | 265-137-2 | 64742-36-5                 | Distillates (petroleum), clay-treated heavy paraffinic, if they contain > 3 % w/w DMSO extract    | 265-137-2 | 64742-36-5 |   |  |  |  | 77<br>1 |  | y |  |  |  |  |
| Distillates (petroleum), clay-treated light paraffinic    | 265-138-8 | 64742-37-6                 | Distillates (petroleum), clay-treated light paraffinic, if they contain > 3 % w/w DMSO extract    | 265-138-8 | 64742-37-6 |   |  |  |  | 77<br>2 |  | y |  |  |  |  |

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|---|-----------|------------|---|-----------|------------|---|--|--|--|-----|--|---|--|--|--|--|
| Residual oils (petroleum), clay-treated                   | 265-143-5 | 64742-41-2 | Residual oils (petroleum), clay-treated, if they contain > 3 % w/w DMSO extract                   | 265-143-5 | 64742-41-2 |   |  |  |  | 773 |  | y |  |  |  |  |
| Distillates (petroleum), clay-treated heavy naphthenic    | 265-146-1 | 64742-44-5 | Distillates (petroleum), clay-treated heavy naphthenic, if they contain > 3 % w/w DMSO extract    | 265-146-1 | 64742-44-5 | y |  |  |  | 774 |  | y |  |  |  |  |
| Distillates (petroleum), clay-treated light naphthenic    | 265-147-7 | 64742-45-6 | Distillates (petroleum), clay-treated light naphthenic, if they contain > 3 % w/w DMSO extract    | 265-147-7 | 64742-45-6 |   |  |  |  | 775 |  | y |  |  |  |  |
| Distillates (petroleum), hydrotreated heavy naphthenic    | 265-155-0 | 64742-52-5 | Distillates (petroleum), hydrotreated heavy naphthenic, if they contain > 3 % w/w DMSO extract    | 265-155-0 | 64742-52-5 | y |  |  |  | 776 |  | y |  |  |  |  |
| Distillates (petroleum), hydrotreated light naphthenic    | 265-156-6 | 64742-53-6 | Distillates (petroleum), hydrotreated light naphthenic, if they contain > 3 % w/w DMSO extract    | 265-156-6 | 64742-53-6 | y |  |  |  | 777 |  | y |  |  |  |  |
| Distillates (petroleum), hydrotreated heavy paraffinic    | 265-157-1 | 64742-54-7 | Distillates (petroleum), hydrotreated heavy paraffinic, if they contain > 3 % w/w DMSO extract    | 265-157-1 | 64742-54-7 | y |  |  |  | 778 |  | y |  |  |  |  |
| Distillates (petroleum), hydrotreated light paraffinic    | 265-158-7 | 64742-55-8 | Distillates (petroleum), hydrotreated light paraffinic, if they contain > 3 % w/w DMSO extract    | 265-158-7 | 64742-55-8 | y |  |  |  | 779 |  | y |  |  |  |  |
| Distillates (petroleum), solvent-dewaxed light paraffinic | 265-159-2 | 64742-56-9 | Distillates (petroleum), solvent-dewaxed light paraffinic, if they contain > 3 % w/w DMSO extract | 265-159-2 | 64742-56-9 | y |  |  |  | 780 |  | y |  |  |  |  |
| Residual oils (petroleum), hydrotreated                   | 265-160-8 | 64742-57-0 | Residual oils (petroleum), hydrotreated, if they contain > 3 % w/w DMSO extract                   | 265-160-8 | 64742-57-0 | y |  |  |  | 781 |  | y |  |  |  |  |
| Residual oils (petroleum), solvent-dewaxed                | 265-166-0 | 64742-62-7 | Residual oils (petroleum), solvent-dewaxed, if they contain > 3 % w/w DMSO extract                | 265-166-0 | 64742-62-7 | y |  |  |  | 782 |  | y |  |  |  |  |
| Distillates (petroleum), solvent-dewaxed heavy            | 265-167-6 | 64742-63-8 | Distillates (petroleum), solvent-dewaxed heavy  | 265-167-6 | 64742-63-8 |   |  |  |  | 783 |  | y |  |  |  |  |

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|---|-----------|------------|---|-----------|------------|---|--|--|--|--|-----|--|---|--|--|--|--|
| heavy naphthenic  |           |            | naphthenic, if they contain > 3 % w/w DMSO extract  |           |            |   |  |  |  |  |     |  |   |  |  |  |  |
| Distillates (petroleum), solvent-dewaxed light naphthenic | 265-168-1 | 64742-64-9 | Distillates (petroleum), solvent-dewaxed light naphthenic, if they contain > 3 % w/w DMSO extract | 265-168-1 | 64742-64-9 |   |  |  |  |  | 784 |  | y |  |  |  |  |
| Distillates (petroleum), solvent-dewaxed heavy paraffinic | 265-169-7 | 64742-65-0 | Distillates (petroleum), solvent-dewaxed heavy paraffinic, if they contain > 3 % w/w DMSO extract | 265-169-7 | 64742-65-0 | y |  |  |  |  | 785 |  | y |  |  |  |  |
| Foots oil (petroleum)                                     | 265-171-8 | 64742-67-2 | Foots oil (petroleum), if it contains > 3 % w/w DMSO extract                                      | 265-171-8 | 64742-67-2 | y |  |  |  |  | 786 |  | y |  |  |  |  |
| Naphthenic oils (petroleum), catalytic dewaxed heavy      | 265-172-3 | 64742-68-3 | Naphthenic oils (petroleum), catalytic dewaxed heavy, if they contain > 3 % w/w DMSO extract      | 265-172-3 | 64742-68-3 |   |  |  |  |  | 787 |  | y |  |  |  |  |
| Naphthenic oils (petroleum), catalytic dewaxed light      | 265-173-9 | 64742-69-4 | Naphthenic oils (petroleum), catalytic dewaxed light, if they contain > 3 % w/w DMSO extract      | 265-173-9 | 64742-69-4 |   |  |  |  |  | 788 |  | y |  |  |  |  |
| Paraffin oils (petroleum), catalytic dewaxed heavy        | 265-174-4 | 64742-70-7 | Paraffin oils (petroleum), catalytic dewaxed heavy, if they contain > 3 % w/w DMSO extract        | 265-174-4 | 64742-70-7 | y |  |  |  |  | 789 |  | y |  |  |  |  |
| Paraffin oils (petroleum), catalytic dewaxed light        | 265-176-5 | 64742-71-8 | Paraffin oils (petroleum), catalytic dewaxed light, if they contain > 3 % w/w DMSO extract        | 265-176-5 | 64742-71-8 | y |  |  |  |  | 790 |  | y |  |  |  |  |
| Naphthenic oils (petroleum), complex dewaxed heavy        | 265-179-1 | 64742-75-2 | Naphthenic oils (petroleum), complex dewaxed heavy, if they contain > 3 % w/w DMSO extract        | 265-179-1 | 64742-75-2 |   |  |  |  |  | 791 |  | y |  |  |  |  |
| Naphthenic oils (petroleum), complex dewaxed light        | 265-180-7 | 64742-76-3 | Naphthenic oils (petroleum), complex dewaxed light, if they contain > 3 % w/w DMSO extract        | 265-180-7 | 64742-76-3 |   |  |  |  |  | 792 |  | y |  |  |  |  |
| Extracts (petroleum), heavy naphthenic                    | 272-175-3 | 68783-00-6 | Extracts (petroleum), heavy naphthenic  | 272-175-3 | 68783-00-6 |   |  |  |  |  | 793 |  | y |  |  |  |  |

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|--|-----------|------------|--|-----------|------------|---|--|--|--|--|-----|--|---|--|--|--|--|--|
| distillate solvent, arom. conc.  |           |            | distillate solvent, arom. Conc., if they contain > 3 % w/w DMSO extract  |           |            |   |  |  |  |  |     |  |   |  |  |  |  |  |
| Extracts (petroleum), solvent-refined heavy paraffinic distillate solvent            | 272-180-0 | 68783-04-0 | Extracts (petroleum), solvent-refined heavy paraffinic distillate solvent, if they contain > 3 % w/w DMSO extract            | 272-180-0 | 68783-04-0 | y |  |  |  |  | 794 |  | y |  |  |  |  |  |
| Extracts (petroleum), heavy paraffinic distillates, solvent-deasphalted              | 272-342-0 | 68814-89-1 | Extracts (petroleum), heavy paraffinic distillates, solvent-deasphalted, if they contain > 3 % w/w DMSO extract              | 272-342-0 | 68814-89-1 | y |  |  |  |  | 795 |  | y |  |  |  |  |  |
| Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, high-viscosity | 276-736-3 | 72623-85-9 | Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, high-viscosity, if they contain > 3 % w/w DMSO extract | 276-736-3 | 72623-85-9 | y |  |  |  |  | 796 |  | y |  |  |  |  |  |
| Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based                 | 276-737-9 | 72623-86-0 | Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based, if they contain > 3 % w/w DMSO extract                 | 276-737-9 | 72623-86-0 | y |  |  |  |  | 797 |  | y |  |  |  |  |  |
| Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based                 | 276-738-4 | 72623-87-1 | Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, if they contain > 3 % w/w DMSO extract                 | 276-738-4 | 72623-87-1 | y |  |  |  |  | 798 |  | y |  |  |  |  |  |
| Lubricating oils   | 278-012-2 | 74869-22-0 | Lubricating oils, if they contain > 3 % w/w DMSO extract   | 278-012-2 | 74869-22-0 | y |  |  |  |  | 799 |  | y |  |  |  |  |  |
| Distillates (petroleum), complex dewaxed heavy paraffinic                            | 292-613-7 | 90640-91-8 | Distillates (petroleum), complex dewaxed heavy paraffinic, if they contain > 3 % w/w DMSO extract                            | 292-613-7 | 90640-91-8 |   |  |  |  |  | 800 |  | y |  |  |  |  |  |
| Distillates (petroleum), complex dewaxed light paraffinic                            | 292-614-2 | 90640-92-9 | Distillates (petroleum), complex dewaxed light paraffinic, if they contain > 3 % w/w DMSO extract                            | 292-614-2 | 90640-92-9 |   |  |  |  |  | 801 |  | y |  |  |  |  |  |
| Distillates (petroleum), solvent   | 292-616-3 | 90640-94-1 | Distillates (petroleum), solvent   | 292-616-3 | 90640-94-1 |   |  |  |  |  | 802 |  | y |  |  |  |  |  |

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|---|-----------|------------|---|-----------|------------|--|--|--|---|-----|--|---|--|--|--|--|--|
| dewaxed heavy paraffinic, clay-treated                                  |           |            | dewaxed heavy paraffinic, clay-treated, if they contain > 3 % w/w DMSO extract                                  |           |            |  |  |  |   |     |  |   |  |  |  |  |  |
| Hydrocarbons, C20-50, solvent dewaxed heavy paraffinic, hydrotreated    | 292-617-9 | 90640-95-2 | Hydrocarbons, C20-50, solvent dewaxed heavy paraffinic, hydrotreated, if they contain > 3 % w/w DMSO extract    | 292-617-9 | 90640-95-2 |  |  |  |   | 803 |  | y |  |  |  |  |  |
| Distillates (petroleum), solvent dewaxed light paraffinic, clay-treated | 292-618-4 | 90640-96-3 | Distillates (petroleum), solvent dewaxed light paraffinic, clay-treated, if they contain > 3 % w/w DMSO extract | 292-618-4 | 90640-96-3 |  |  |  |   | 804 |  | y |  |  |  |  |  |
| Distillates (petroleum), solvent dewaxed light paraffinic, hydrotreated | 292-620-5 | 90640-97-4 | Distillates (petroleum), solvent dewaxed light paraffinic, hydrotreated, if they contain > 3 % w/w DMSO extract | 292-620-5 | 90640-97-4 |  |  |  |   | 805 |  | y |  |  |  |  |  |
| Extracts (petroleum), heavy naphthenic distillate solvent, hydrotreated | 292-631-5 | 90641-07-9 | Extracts (petroleum), heavy naphthenic distillate solvent, hydrotreated, if they contain > 3 % w/w DMSO extract | 292-631-5 | 90641-07-9 |  |  |  |   | 806 |  | y |  |  |  |  |  |
| Extracts (petroleum), heavy paraffinic distillate solvent, hydrotreated | 292-632-0 | 90641-08-0 | Extracts (petroleum), heavy paraffinic distillate solvent, hydrotreated, if they contain > 3 % w/w DMSO extract | 292-632-0 | 90641-08-0 |  |  |  |   | 807 |  | y |  |  |  |  |  |
| Extracts (petroleum), light paraffinic distillate solvent, hydrotreated | 292-633-6 | 90641-09-1 | Extracts (petroleum), light paraffinic distillate solvent, hydrotreated, if they contain > 3 % w/w DMSO extract | 292-633-6 | 90641-09-1 |  |  |  |   | 808 |  | y |  |  |  |  |  |
| Residual oils (petroleum), hydrotreated solvent dewaxed                 | 292-656-1 | 90669-74-2 | Residual oils (petroleum), hydrotreated solvent dewaxed, if they contain > 3 % w/w DMSO extract                 | 292-656-1 | 90669-74-2 |  |  |  |   | 809 |  | y |  |  |  |  |  |
| Residual oils (petroleum), catalytic dewaxed                            | 294-843-3 | 91770-57-9 | Residual oils (petroleum), catalytic dewaxed, if they contain > 3 % w/w DMSO extract                            | 294-843-3 | 91770-57-9 |  |  |  | y | 810 |  | y |  |  |  |  |  |

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|--|-----------|------------|--|-----------|------------|---|--|--|--|--|-----|--|---|--|--|--|--|
| Distillates (petroleum), dewaxed heavy paraffinic, hydrotreated              | 295-300-3 | 91995-39-0 | Distillates (petroleum), dewaxed heavy paraffinic, hydrotreated, if they contain > 3 % w/w DMSO extract              | 295-300-3 | 91995-39-0 |   |  |  |  |  | 811 |  | y |  |  |  |  |
| Distillates (petroleum), dewaxed light paraffinic, hydrotreated              | 295-301-9 | 91995-40-3 | Distillates (petroleum), dewaxed light paraffinic, hydrotreated, if they contain > 3 % w/w DMSO extract              | 295-301-9 | 91995-40-3 | y |  |  |  |  | 812 |  | y |  |  |  |  |
| Distillates (petroleum), hydrocracked solvent-refined, dewaxed               | 295-306-6 | 91995-45-8 | Distillates (petroleum), hydrocracked solvent-refined, dewaxed, if they contain > 3 % w/w DMSO extract               | 295-306-6 | 91995-45-8 |   |  |  |  |  | 813 |  | y |  |  |  |  |
| Distillates (petroleum), solvent-refined light naphthenic, hydrotreated      | 295-316-0 | 91995-54-9 | Distillates (petroleum), solvent-refined light naphthenic, hydrotreated, if they contain > 3 % w/w DMSO extract      | 295-316-0 | 91995-54-9 |   |  |  |  |  | 814 |  | y |  |  |  |  |
| Extracts (petroleum), hydrotreated light paraffinic distillate solvent       | 295-335-4 | 91995-73-2 | Extracts (petroleum), hydrotreated light paraffinic distillate solvent, if they contain > 3 % w/w DMSO extract       | 295-335-4 | 91995-73-2 |   |  |  |  |  | 815 |  | y |  |  |  |  |
| Extracts (petroleum), light naphthenic distillate solvent, hydrodesulfurized | 295-338-0 | 91995-75-4 | Extracts (petroleum), light naphthenic distillate solvent, hydrodesulfurized, if they contain > 3 % w/w DMSO extract | 295-338-0 | 91995-75-4 |   |  |  |  |  | 816 |  | y |  |  |  |  |
| Extracts (petroleum), light paraffinic distillate solvent, acid-treated      | 295-339-6 | 91995-76-5 | Extracts (petroleum), light paraffinic distillate solvent, acid-treated, if they contain > 3 % w/w DMSO extract      | 295-339-6 | 91995-76-5 |   |  |  |  |  | 817 |  | y |  |  |  |  |
| Extracts (petroleum), light paraffinic distillate solvent, hydrodesulfurized | 295-340-1 | 91995-77-6 | Extracts (petroleum), light paraffinic distillate solvent, hydrodesulfurized, if they contain > 3 % w/w DMSO extract | 295-340-1 | 91995-77-6 |   |  |  |  |  | 818 |  | y |  |  |  |  |
| Extracts (petroleum), light vacuum gas oil                                   | 295-342-2 | 91995-79-8 | Extracts (petroleum), light vacuum gas oil solvent, hydrotreated,  | 295-342-2 | 91995-79-8 |   |  |  |  |  | 819 |  | y |  |  |  |  |

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|  |               |                |   |               |                |   |  |  |  |  |         |  |  |   |  |  |  |
|--|---------------|----------------|---|---------------|----------------|---|--|--|--|--|---------|--|--|---|--|--|--|
| solvent,<br>hydrotreated   |               |                | if they contain<br>> 3 % w/w<br>DMSO extract  |               |                |   |  |  |  |  |         |  |  |   |  |  |  |
| Foots oil<br>(petroleum),<br>hydrotreated  | 295-<br>394-6 | 92045-<br>12-0 | Foots oil<br>(petroleum),<br>hydrotreated,<br>if it contains ><br>3 % w/w<br>DMSO extract   | 295-<br>394-6 | 92045-<br>12-0 | y |  |  |  |  | 82<br>0 |  |  | y |  |  |  |
| Lubricating<br>oils<br>(petroleum),<br>C17-35,<br>solvent-<br>extd.,<br>dewaxed,<br>hydrotreated   | 295-<br>423-2 | 92045-<br>42-6 | Lubricating oils<br>(petroleum),<br>C17-35,<br>solvent-extd.,<br>dewaxed,<br>hydrotreated,<br>if they contain<br>> 3 % w/w<br>DMSO extract          | 295-<br>423-2 | 92045-<br>42-6 |   |  |  |  |  | 82<br>1 |  |  | y |  |  |  |
| Lubricating<br>oils<br>(petroleum),<br>hydrocracke<br>d nonarom.<br>solvent-<br>deparaffined       | 295-<br>424-8 | 92045-<br>43-7 | Lubricating oils<br>(petroleum),<br>hydrocracked<br>nonarom<br>solvent-<br>deparaffined,<br>if they contain<br>> 3 % w/w<br>DMSO extract            | 295-<br>424-8 | 92045-<br>43-7 |   |  |  |  |  | 82<br>2 |  |  | y |  |  |  |
| Residual oils<br>(petroleum),<br>hydrocracke<br>d acid-<br>treated<br>solvent-<br>dewaxed          | 295-<br>499-7 | 92061-<br>86-4 | Residual oils<br>(petroleum),<br>hydrocracked<br>acid-treated<br>solvent-<br>dewaxed, if<br>they contain ><br>3 % w/w<br>DMSO extract               | 295-<br>499-7 | 92061-<br>86-4 |   |  |  |  |  | 82<br>3 |  |  | y |  |  |  |
| Paraffin oils<br>(petroleum),<br>solvent-<br>refined<br>dewaxed<br>heavy                           | 295-<br>810-6 | 92129-<br>09-4 | Paraffin oils<br>(petroleum),<br>solvent-refined<br>dewaxed<br>heavy, if they<br>contain > 3 %<br>w/w DMSO<br>extract                               | 295-<br>810-6 | 92129-<br>09-4 |   |  |  |  |  | 82<br>4 |  |  | y |  |  |  |
| Extracts<br>(petroleum),<br>heavy<br>paraffinic<br>distillate<br>solvent,<br>clay-treated          | 296-<br>437-1 | 92704-<br>08-0 | Extracts<br>(petroleum),<br>heavy<br>paraffinic<br>distillate<br>solvent, clay-<br>treated, if they<br>contain > 3 %<br>w/w DMSO<br>extract         | 296-<br>437-1 | 92704-<br>08-0 |   |  |  |  |  | 82<br>5 |  |  | y |  |  |  |
| Lubricating<br>oils<br>(petroleum),<br>base oils,<br>paraffinic                                    | 297-<br>474-6 | 93572-<br>43-1 | Lubricating oils<br>(petroleum),<br>base oils,<br>paraffinic, if<br>they contain ><br>3 % w/w<br>DMSO extract                                       | 297-<br>474-6 | 93572-<br>43-1 | y |  |  |  |  | 82<br>6 |  |  | y |  |  |  |
| Extracts<br>(petroleum),<br>heavy<br>naphthenic<br>distillate<br>solvent,<br>hydrodesulfu<br>rized | 297-<br>827-4 | 93763-<br>10-1 | Extracts<br>(petroleum),<br>heavy<br>naphthenic<br>distillate<br>solvent,<br>hydrodesulfuri<br>sed, if they<br>contain > 3 %<br>w/w DMSO<br>extract | 297-<br>827-4 | 93763-<br>10-1 |   |  |  |  |  | 82<br>7 |  |  | y |  |  |  |
| Extracts<br>(petroleum),<br>solvent-<br>dewaxed<br>heavy<br>paraffinic<br>distillate               | 297-<br>829-5 | 93763-<br>11-2 | Extracts<br>(petroleum),<br>solvent-<br>dewaxed<br>heavy<br>paraffinic<br>distillate  | 297-<br>829-5 | 93763-<br>11-2 |   |  |  |  |  | 82<br>8 |  |  | y |  |  |  |



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|   |           |            |   |           |            |   |  |  |  |  |     |  |  |  |  |  |  |   |
|---|-----------|------------|---|-----------|------------|---|--|--|--|--|-----|--|--|--|--|--|--|---|
| solvent, hydrodesulfurized  |           |            | solvent, hydrodesulfurized, if they contain > 3 % w/w DMSO extract  |           |            |   |  |  |  |  |     |  |  |  |  |  |  |   |
| Hydrocarbons, hydrocracked paraffinic distn. residues, solvent-dewaxed              | 297-857-8 | 93763-38-3 | Hydrocarbons, hydrocracked paraffinic distn. residues, solvent-dewaxed, if they contain > 3 % w/w DMSO extract              | 297-857-8 | 93763-38-3 |   |  |  |  |  | 829 |  |  |  |  |  |  | y |
| Foots oil (petroleum), acid-treated   | 300-225-7 | 93924-31-3 | Foots oil (petroleum), acid-treated, if it contains > 3 % w/w DMSO extract  | 300-225-7 | 93924-31-3 |   |  |  |  |  | 830 |  |  |  |  |  |  | y |
| Foots oil (petroleum), clay-treated   | 300-226-2 | 93924-32-4 | Foots oil (petroleum), clay-treated, if it contains > 3 % w/w DMSO extract  | 300-226-2 | 93924-32-4 | y |  |  |  |  | 831 |  |  |  |  |  |  | y |
| Hydrocarbons, C20-50, residual oil hydrogenation vacuum distillate                  | 300-257-1 | 93924-61-9 | Hydrocarbons, C20-50, residual oil hydrogenation vacuum distillate, if they contain > 3 % w/w DMSO extract                  | 300-257-1 | 93924-61-9 |   |  |  |  |  | 832 |  |  |  |  |  |  | y |
| Distillates (petroleum), solvent-refined hydrotreated heavy, hydrogenated           | 305-588-5 | 94733-08-1 | Distillates (petroleum), solvent-refined hydrotreated heavy, hydrogenated, if they contain > 3 % w/w DMSO extract           | 305-588-5 | 94733-08-1 | y |  |  |  |  | 833 |  |  |  |  |  |  | y |
| Distillates (petroleum), solvent-refined hydrocracked light                         | 305-589-0 | 94733-09-2 | Distillates (petroleum), solvent-refined hydrocracked light, if they contain > 3 % w/w DMSO extract                         | 305-589-0 | 94733-09-2 |   |  |  |  |  | 834 |  |  |  |  |  |  | y |
| Lubricating oils (petroleum), C18-40, solvent-dewaxed hydrocracked distillate-based | 305-594-8 | 94733-15-0 | Lubricating oils (petroleum), C18-40, solvent-dewaxed hydrocracked distillate-based, if they contain > 3 % w/w DMSO extract | 305-594-8 | 94733-15-0 | y |  |  |  |  | 835 |  |  |  |  |  |  | y |
| Lubricating oils (petroleum), C18-40, solvent-dewaxed hydrogenated raffinate-based  | 305-595-3 | 94733-16-1 | Lubricating oils (petroleum), C18-40, solvent-dewaxed hydrogenated raffinate-based, if they contain > 3 % w/w DMSO extract  | 305-595-3 | 94733-16-1 |   |  |  |  |  | 836 |  |  |  |  |  |  | y |
| Hydrocarbons, C13-30, arom.-rich,   | 305-971-7 | 95371-04-3 | Hydrocarbons, C13-30, arom.-rich, solvent-  | 305-971-7 | 95371-04-3 |   |  |  |  |  | 837 |  |  |  |  |  |  | y |

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|   |               |                |  |               |                |  |  |  |  |  |         |  |  |  |  |  |  |   |
|---|---------------|----------------|--|---------------|----------------|--|--|--|--|--|---------|--|--|--|--|--|--|---|
| solvent-<br>extd.<br>naphthenic<br>distillate   |               |                | extd.<br>naphthenic<br>distillate, if<br>they contain ><br>3 % w/w<br>DMSO extract   |               |                |  |  |  |  |  |         |  |  |  |  |  |  |   |
| Hydrocarbon<br>s, C16-32,<br>arom. rich,<br>solvent-<br>extd.<br>naphthenic<br>distillate                               | 305-<br>972-2 | 95371-<br>05-4 | Hydrocarbons,<br>C16-32, arom.<br>rich, solvent-<br>extd.<br>naphthenic<br>distillate, if<br>they contain ><br>3 % w/w<br>DMSO extract                             | 305-<br>972-2 | 95371-<br>05-4 |  |  |  |  |  | 83<br>8 |  |  |  |  |  |  | y |
| Hydrocarbon<br>s, C37-68,<br>dewaxed<br>deasphalted<br>hydrotreated<br>vacuum<br>distrn.<br>residues                    | 305-<br>974-3 | 95371-<br>07-6 | Hydrocarbons,<br>C37-68,<br>dewaxed<br>deasphalted<br>hydrotreated<br>vacuum distrn.<br>Residues, if<br>they contain ><br>3 % w/w<br>DMSO extract                  | 305-<br>974-3 | 95371-<br>07-6 |  |  |  |  |  | 83<br>9 |  |  |  |  |  |  | y |
| Hydrocarbon<br>s, C37-65,<br>hydrotreated<br>deasphalted<br>vacuum<br>distrn.<br>residues                               | 305-<br>975-9 | 95371-<br>08-7 | Hydrocarbons,<br>C37-65,<br>hydrotreated<br>deasphalted<br>vacuum distrn.<br>Residues, if<br>they contain ><br>3 % w/w<br>DMSO extract                             | 305-<br>975-9 | 95371-<br>08-7 |  |  |  |  |  | 84<br>0 |  |  |  |  |  |  | y |
| Distillates<br>(petroleum),<br>hydrocracke<br>d solvent-<br>refined light   | 307-<br>010-7 | 97488-<br>73-8 | Distillates<br>(petroleum),<br>hydrocracked<br>solvent-refined<br>light, if they<br>contain > 3 %<br>w/w DMSO<br>extract   | 307-<br>010-7 | 97488-<br>73-8 |  |  |  |  |  | 84<br>1 |  |  |  |  |  |  | y |
| Distillates<br>(petroleum),<br>solvent-<br>refined<br>hydrogenate<br>d heavy  | 307-<br>011-2 | 97488-<br>74-9 | Distillates<br>(petroleum),<br>solvent-refined<br>hydrogenated<br>heavy, if they<br>contain > 3 %<br>w/w DMSO<br>extract   | 307-<br>011-2 | 97488-<br>74-9 |  |  |  |  |  | 84<br>2 |  |  |  |  |  |  | y |
| Lubricating<br>oils<br>(petroleum),<br>C18-27,<br>hydrocracke<br>d solvent-<br>dewaxed                                  | 307-<br>034-8 | 97488-<br>95-4 | Lubricating oils<br>(petroleum),<br>C18-27,<br>hydrocracked<br>solvent-<br>dewaxed, if<br>they contain ><br>3 % w/w<br>DMSO extract                                | 307-<br>034-8 | 97488-<br>95-4 |  |  |  |  |  | 84<br>3 |  |  |  |  |  |  | y |
| Hydrocarbon<br>s, C17-30,<br>hydrotreated<br>solvent-<br>deasphalted<br>atm. distrn.<br>residue,<br>distrn. lights      | 307-<br>661-7 | 97675-<br>87-1 | Hydrocarbons,<br>C17-30,<br>hydrotreated<br>solvent-<br>deasphalted<br>atm. distrn.<br>residue, distrn.<br>lights, if they<br>contain > 3 %<br>w/w DMSO<br>extract | 307-<br>661-7 | 97675-<br>87-1 |  |  |  |  |  | 84<br>4 |  |  |  |  |  |  | y |
| Hydrocarbon<br>s, C17-40,<br>hydrotreated<br>solvent-<br>deasphalted<br>distrn.<br>residue,<br>vacuum<br>distrn. lights | 307-<br>755-8 | 97722-<br>06-0 | Hydrocarbons,<br>C17-40,<br>hydrotreated<br>solvent-<br>deasphalted<br>distrn. residue,<br>vacuum distrn.<br>lights, if they<br>contain > 3 %                      | 307-<br>755-8 | 97722-<br>06-0 |  |  |  |  |  | 84<br>5 |  |  |  |  |  |  | y |

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|---|-----------|-------------|---|-----------|-------------|---|--|--|--|--|--|-----|--|---|--|--|--|--|
|   |           |             | w/w DMSO extract  |           |             |   |  |  |  |  |  |     |  |   |  |  |  |  |
| Hydrocarbons, C13-27, solvent-extd. light naphthenic                      | 307-758-4 | 97722-09-3  | Hydrocarbons, C13-27, solvent-extd. light naphthenic, if they contain > 3 % w/w DMSO extract          | 307-758-4 | 97722-09-3  |   |  |  |  |  |  | 846 |  | y |  |  |  |  |
| Hydrocarbons, C14-29, solvent-extd. light naphthenic                      | 307-760-5 | 97722-10-6  | Hydrocarbons, C14-29, solvent-extd. light naphthenic, if they contain > 3 % w/w DMSO extract          | 307-760-5 | 97722-10-6  |   |  |  |  |  |  | 847 |  | y |  |  |  |  |
| Foots oil (petroleum), carbon-treated                                     | 308-126-0 | 97862-76-5  | Foots oil (petroleum), carbon-treated, if it contains > 3 % w/w DMSO extract                          | 308-126-0 | 97862-76-5  |   |  |  |  |  |  | 848 |  | y |  |  |  |  |
| Foots oil (petroleum), silicic acid-treated                               | 308-127-6 | 97862-77-6  | Foots oil (petroleum), silicic acid-treated, if it contains > 3 % w/w DMSO extract                    | 308-127-6 | 97862-77-6  |   |  |  |  |  |  | 849 |  | y |  |  |  |  |
| Hydrocarbons, C27-42, dearomatized  | 308-131-8 | 97862-81-2  | Hydrocarbons, C27-42, dearomatized, if they contain > 3 % w/w DMSO extract                            | 308-131-8 | 97862-81-2  |   |  |  |  |  |  | 850 |  | y |  |  |  |  |
| Hydrocarbons, C17-30, hydrotreated distillates, distn. lights             | 308-132-3 | 97862-82-3  | Hydrocarbons, C17-30, hydrotreated distillates, distn. Lights, if they contain > 3 % w/w DMSO extract | 308-132-3 | 97862-82-3  | y |  |  |  |  |  | 851 |  | y |  |  |  |  |
| Hydrocarbons, C27-45, naphthenic vacuum distn.                            | 308-133-9 | 97862-83-4  | Hydrocarbons, C27-45, naphthenic vacuum distn., if they contain > 3 % w/w DMSO extract                | 308-133-9 | 97862-83-4  |   |  |  |  |  |  | 852 |  | y |  |  |  |  |
| Hydrocarbons, C27-45, dearomatized  | 308-287-7 | 97926-68-6  | Hydrocarbons, C27-45, dearomatized, if they contain > 3 % w/w DMSO extract                            | 308-287-7 | 97926-68-6  |   |  |  |  |  |  | 853 |  | y |  |  |  |  |
| Hydrocarbons, C20-58, hydrotreated  | 308-289-8 | 97926-70-0  | Hydrocarbons, C20-58, hydrotreated, if they contain > 3 % w/w DMSO extract                            | 308-289-8 | 97926-70-0  |   |  |  |  |  |  | 854 |  | y |  |  |  |  |
| Hydrocarbons, C27-42, naphthenic  | 308-290-3 | 97926-71-1  | Hydrocarbons, C27-42, naphthenic, if they contain > 3 % w/w DMSO extract                              | 308-290-3 | 97926-71-1  |   |  |  |  |  |  | 855 |  | y |  |  |  |  |
| Extracts (petroleum), light paraffinic distillate solvent, carbon-treated | 309-672-2 | 100684-02-4 | Extracts (petroleum), light paraffinic distillate solvent, carbon-treated, if they contain > 3 %      | 309-672-2 | 100684-02-4 |   |  |  |  |  |  | 856 |  | y |  |  |  |  |

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|   |           |             |   |           |             |  |  |  |  |  |  |     |  |  |  |  |  |   |
|---|-----------|-------------|---|-----------|-------------|--|--|--|--|--|--|-----|--|--|--|--|--|---|
|   |           |             | w/w DMSO extract  |           |             |  |  |  |  |  |  |     |  |  |  |  |  |   |
| Extracts (petroleum), light paraffinic distillate solvent, clay-treated               | 309-673-8 | 100684-03-5 | Extracts (petroleum), light paraffinic distillate solvent, clay-treated, if they contain > 3 % w/w DMSO extract               | 309-673-8 | 100684-03-5 |  |  |  |  |  |  | 857 |  |  |  |  |  | y |
| Extracts (petroleum), light vacuum, gas oil solvent, carbon-treated                   | 309-674-3 | 100684-04-6 | Extracts (petroleum), light vacuum, gas oil solvent, carbon-treated, if they contain > 3 % w/w DMSO extract                   | 309-674-3 | 100684-04-6 |  |  |  |  |  |  | 858 |  |  |  |  |  | y |
| Extracts (petroleum), light vacuum gas oil solvent, clay-treated                      | 309-675-9 | 100684-05-7 | Extracts (petroleum), light vacuum gas oil solvent, clay-treated, if they contain > 3 % w/w DMSO extract                      | 309-675-9 | 100684-05-7 |  |  |  |  |  |  | 859 |  |  |  |  |  | y |
| Residual oils (petroleum), carbon-treated solvent-dewaxed                             | 309-710-8 | 100684-37-5 | Residual oils (petroleum), carbon-treated solvent-dewaxed, if they contain > 3 % w/w DMSO extract                             | 309-710-8 | 100684-37-5 |  |  |  |  |  |  | 860 |  |  |  |  |  | y |
| Residual oils (petroleum), clay-treated solvent-dewaxed                               | 309-711-3 | 100684-38-6 | Residual oils (petroleum), clay-treated solvent-dewaxed, if they contain > 3 % w/w DMSO extract                               | 309-711-3 | 100684-38-6 |  |  |  |  |  |  | 861 |  |  |  |  |  | y |
| Lubricating oils (petroleum), C>25, solvent-extd., deasphalted, dewaxed, hydrogenated | 309-874-0 | 101316-69-2 | Lubricating oils (petroleum), C>25, solvent-extd., deasphalted, dewaxed, hydrogenated, if they contain > 3 % w/w DMSO extract | 309-874-0 | 101316-69-2 |  |  |  |  |  |  | 862 |  |  |  |  |  | y |
| Lubricating oils (petroleum), C17-32, solvent-extd., dewaxed, hydrogenated            | 309-875-6 | 101316-70-5 | Lubricating oils (petroleum), C17-32, solvent-extd., dewaxed, hydrogenated, if they contain > 3 % w/w DMSO extract            | 309-875-6 | 101316-70-5 |  |  |  |  |  |  | 863 |  |  |  |  |  | y |
| Lubricating oils (petroleum), C20-35, solvent-extd., dewaxed, hydrogenated            | 309-876-1 | 101316-71-6 | Lubricating oils (petroleum), C20-35, solvent-extd., dewaxed, hydrogenated, if they contain > 3 % w/w DMSO extract            | 309-876-1 | 101316-71-6 |  |  |  |  |  |  | 864 |  |  |  |  |  | y |
| Lubricating oils (petroleum), C24-50, solvent-extd., dewaxed,                         | 309-877-7 | 101316-72-7 | Lubricating oils (petroleum), C24-50, solvent-extd., dewaxed, hydrogenated, if they contain                                   | 309-877-7 | 101316-72-7 |  |  |  |  |  |  | 865 |  |  |  |  |  | y |

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|---|-----------|------------|--|-----------|------------|---|--|--|--|--|-----|--|---|--|--|--|--|--|
| hydrogenated                                    |           |            | > 3 % w/w DMSO extract   |           |            |   |  |  |  |  |     |  |   |  |  |  |  |  |
| Distillates (petroleum), sweetened middle       | 265-088-7 | 64741-86-2 | Distillates (petroleum), sweetened middle, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen       | 265-088-7 | 64741-86-2 | y |  |  |  |  | 866 |  | y |  |  |  |  |  |
| Gas oils (petroleum), solvent-refined           | 265-092-9 | 64741-90-8 | Gas oils (petroleum), solvent-refined, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen           | 265-092-9 | 64741-90-8 |   |  |  |  |  | 867 |  | y |  |  |  |  |  |
| Distillates (petroleum), solvent-refined middle | 265-093-4 | 64741-91-9 | Distillates (petroleum), solvent-refined middle, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen | 265-093-4 | 64741-91-9 |   |  |  |  |  | 868 |  | y |  |  |  |  |  |
| Gas oils (petroleum), acid-treated              | 265-112-6 | 64742-12-7 | Gas oils (petroleum), acid-treated, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen              | 265-112-6 | 64742-12-7 |   |  |  |  |  | 869 |  | y |  |  |  |  |  |
| Distillates (petroleum), acid-treated middle    | 265-113-1 | 64742-13-8 | Distillates (petroleum), acid-treated middle, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen    | 265-113-1 | 64742-13-8 |   |  |  |  |  | 870 |  | y |  |  |  |  |  |
| Distillates (petroleum), acid-treated light     | 265-114-7 | 64742-14-9 | Distillates (petroleum), acid-treated light, except if the full refining history is known and  | 265-114-7 | 64742-14-9 |   |  |  |  |  | 871 |  | y |  |  |  |  |  |

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|--|-----------|------------|---|-----------|------------|---|--|--|--|---------|--|---|--|--|--|--|--|
|  |           |            | it can be shown that the substance from which it is produced is not a carcinogen  |           |            |   |  |  |  |         |  |   |  |  |  |  |  |
| Gas oils (petroleum), chemically neutralized           | 265-129-9 | 64742-29-6 | Gas oils (petroleum), chemically neutralised, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen           | 265-129-9 | 64742-29-6 |   |  |  |  | 87<br>2 |  | y |  |  |  |  |  |
| Distillates (petroleum), chemically neutralized middle | 265-130-4 | 64742-30-9 | Distillates (petroleum), chemically neutralised middle, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen | 265-130-4 | 64742-30-9 |   |  |  |  | 87<br>3 |  | y |  |  |  |  |  |
| Distillates (petroleum), clay-treated middle           | 265-139-3 | 64742-38-7 | Distillates (petroleum), clay-treated middle, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen           | 265-139-3 | 64742-38-7 |   |  |  |  | 87<br>4 |  | y |  |  |  |  |  |
| Gas oils (petroleum), hydrodesulfurized                | 265-182-8 | 64742-79-6 | Gas oils (petroleum), hydrodesulfurised, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen                | 265-182-8 | 64742-79-6 | y |  |  |  | 87<br>6 |  | y |  |  |  |  |  |
| Distillates (petroleum), hydrodesulfurized middle      | 265-183-3 | 64742-80-9 | Distillates (petroleum), hydrodesulfurised middle, except if the full refining history is known and it can be shown that the substance from which it is produced is                       | 265-183-3 | 64742-80-9 | y |  |  |  | 87<br>7 |  | y |  |  |  |  |  |

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|--|-----------|------------|---|-----------|------------|---|--|--|--|-----|--|---|--|--|--|--|--|
|  |           |            | not a carcinogen  |           |            |   |  |  |  |     |  |   |  |  |  |  |  |
| Distillates (petroleum), catalytic reformer fractionator residue, high-boiling         | 270-719-4 | 68477-29-2 | Distillates (petroleum), catalytic reformer fractionator residue, high-boiling, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen         | 270-719-4 | 68477-29-2 |   |  |  |  | 878 |  | y |  |  |  |  |  |
| Distillates (petroleum), catalytic reformer fractionator residue, intermediate-boiling | 270-721-5 | 68477-30-5 | Distillates (petroleum), catalytic reformer fractionator residue, intermediate-boiling, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen | 270-721-5 | 68477-30-5 |   |  |  |  | 879 |  | y |  |  |  |  |  |
| Distillates (petroleum), catalytic reformer fractionator residue, low-boiling          | 270-722-0 | 68477-31-6 | Distillates (petroleum), catalytic reformer fractionator residue, low-boiling, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen          | 270-722-0 | 68477-31-6 |   |  |  |  | 880 |  | y |  |  |  |  |  |
| Alkanes, C12-26-branched and linear  | 292-454-3 | 90622-53-0 | Alkanes, C12-26, branched and linear, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen   | 292-454-3 | 90622-53-0 | y |  |  |  | 881 |  | y |  |  |  |  |  |
| Distillates (petroleum), highly refined middle   | 292-615-8 | 90640-93-0 | Distillates (petroleum), highly refined middle, except if the full refining history is known and it can be shown that the   | 292-615-8 | 90640-93-0 |   |  |  |  | 882 |  | y |  |  |  |  |  |

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|---|-----------|------------|--|-----------|------------|---|--|--|--|--|-----|--|---|--|--|--|--|
|   |           |            | substance from which it is produced is not a carcinogen  |           |            |   |  |  |  |  |     |  |   |  |  |  |  |
| Distillates (petroleum), catalytic reformer, heavy arom. conc.      | 295-294-2 | 91995-34-5 | Distillates (petroleum), catalytic reformer, heavy arom. conc., except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen      | 295-294-2 | 91995-34-5 |   |  |  |  |  | 883 |  | y |  |  |  |  |
| Gas oils, paraffinic  | 300-227-8 | 93924-33-5 | Gas oils, paraffinic, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen  | 300-227-8 | 93924-33-5 | y |  |  |  |  | 884 |  | y |  |  |  |  |
| Naphtha (petroleum), solvent-refined hydrodesulfurized heavy        | 307-035-3 | 97488-96-5 | Naphtha (petroleum), solvent-refined hydrodesulfurized heavy, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen        | 307-035-3 | 97488-96-5 |   |  |  |  |  | 885 |  | y |  |  |  |  |
| Hydrocarbons, C16-20, hydrotreated middle distillate, distn. lights | 307-659-6 | 97675-85-9 | Hydrocarbons, C16-20, hydrotreated middle distillate, distn. Lights, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen | 307-659-6 | 97675-85-9 |   |  |  |  |  | 886 |  | y |  |  |  |  |
| Hydrocarbons, C12-20, hydrotreated paraffinic, distn. lights        | 307-660-1 | 97675-86-0 | Hydrocarbons, C12-20, hydrotreated paraffinic, distn. lights, except if the full refining history is known and it can be shown that the substance  | 307-660-1 | 97675-86-0 |   |  |  |  |  | 887 |  | y |  |  |  |  |



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|  |           |             |   |           |             |  |  |  |  |     |  |   |  |  |  |
|--|-----------|-------------|---|-----------|-------------|--|--|--|--|-----|--|---|--|--|--|
|  |           |             | from which it is produced is not a carcinogen   |           |             |  |  |  |  |     |  |   |  |  |  |
| Hydrocarbons, C11-17, solvent-extd. light naphthenic             | 307-757-9 | 97722-08-2  | Hydrocarbons, C11-17, solvent-extd. light naphthenic, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen             | 307-757-9 | 97722-08-2  |  |  |  |  | 888 |  | y |  |  |  |
| Gas oils, hydrotreated   | 308-128-1 | 97862-78-7  | Gas oils, hydrotreated, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen   | 308-128-1 | 97862-78-7  |  |  |  |  | 889 |  | y |  |  |  |
| Distillates (petroleum), carbon-treated light paraffinic         | 309-667-5 | 100683-97-4 | Distillates (petroleum), carbon-treated light paraffinic, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen         | 309-667-5 | 100683-97-4 |  |  |  |  | 890 |  | y |  |  |  |
| Distillates (petroleum), intermediate paraffinic, carbon-treated | 309-668-0 | 100683-98-5 | Distillates (petroleum), intermediate paraffinic, carbon-treated, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen | 309-668-0 | 100683-98-5 |  |  |  |  | 891 |  | y |  |  |  |
| Distillates (petroleum), intermediate paraffinic, clay-treated   | 309-669-6 | 100683-99-6 | Distillates (petroleum), intermediate paraffinic, clay-treated, except if the full refining history is known and it can be shown that the substance from which it is produced is                    | 309-669-6 | 100683-99-6 |  |  |  |  | 892 |  | y |  |  |  |

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|-------------------------------------|-----------|------------|--|-----------|------------|---|--|--|--|-----|--|---|--|--|--|--|--|
|                                     |           |            | not a carcinogen   |           |            |   |  |  |  |     |  |   |  |  |  |  |  |
| Lubricating greases                 | 278-011-7 | 74869-21-9 | Lubricating greases, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen                 | 278-011-7 | 74869-21-9 |   |  |  |  | 893 |  | y |  |  |  |  |  |
| Slack wax (petroleum)               | 265-165-5 | 64742-61-6 | Slack wax (petroleum), except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen               | 265-165-5 | 64742-61-6 | y |  |  |  | 894 |  | y |  |  |  |  |  |
| Slack wax (petroleum), acid-treated | 292-659-8 | 90669-77-5 | Slack wax (petroleum), acid-treated, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen | 292-659-8 | 90669-77-5 |   |  |  |  | 895 |  | y |  |  |  |  |  |
| Slack wax (petroleum), clay-treated | 292-660-3 | 90669-78-6 | Slack wax (petroleum), clay-treated, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen | 292-660-3 | 90669-78-6 | y |  |  |  | 896 |  | y |  |  |  |  |  |
| Slack wax (petroleum), hydrotreated | 295-523-6 | 92062-09-4 | Slack wax (petroleum), hydrotreated, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen | 295-523-6 | 92062-09-4 | y |  |  |  | 897 |  | y |  |  |  |  |  |
| Slack wax (petroleum), low-melting  | 295-524-1 | 92062-10-7 | Slack wax (petroleum), low-melting, except if the full refining history is known and it can be shown that the  | 295-524-1 | 92062-10-7 |   |  |  |  | 898 |  | y |  |  |  |  |  |

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|--|-----------|-------------|---|-----------|-------------|--|--|--|--|-----|--|---|--|--|--|--|--|
|  |           |             | substance from which it is produced is not a carcinogen   |           |             |  |  |  |  |     |  |   |  |  |  |  |  |
| Slack wax (petroleum), low-melting, hydrotreated         | 295-525-7 | 92062-11-8  | Slack wax (petroleum), low-melting, hydrotreated, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen         | 295-525-7 | 92062-11-8  |  |  |  |  | 899 |  | y |  |  |  |  |  |
| Slack wax (petroleum), low-melting, carbon-treated       | 308-155-9 | 97863-04-2  | Slack wax (petroleum), low-melting, carbon-treated, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen       | 308-155-9 | 97863-04-2  |  |  |  |  | 900 |  | y |  |  |  |  |  |
| Slack wax (petroleum), low-melting, clay-treated         | 308-156-4 | 97863-05-3  | Slack wax (petroleum), low-melting, clay-treated, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen         | 308-156-4 | 97863-05-3  |  |  |  |  | 901 |  | y |  |  |  |  |  |
| Slack wax (petroleum), low-melting, silicic acid-treated | 308-158-5 | 97863-06-4  | Slack wax (petroleum), low-melting, silicic acid-treated, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen | 308-158-5 | 97863-06-4  |  |  |  |  | 902 |  | y |  |  |  |  |  |
| Slack wax (petroleum), carbon-treated                    | 309-723-9 | 100684-49-9 | Slack wax (petroleum), carbon-treated, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen                    | 309-723-9 | 100684-49-9 |  |  |  |  | 903 |  | y |  |  |  |  |  |

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|--|-----------|------------|--|-----------|------------|---|--|--|--|--|-----|--|---|--|--|--|--|
|  |           |            | is produced is not a carcinogen  |           |            |   |  |  |  |  |     |  |   |  |  |  |  |
| Petrolatum                                   | 232-373-2 | 8009-03-8  | Petrolatum, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen                              | 232-373-2 | 8009-03-8  | y |  |  |  |  | 904 |  | y |  |  |  |  |
| Petrolatum (petroleum), oxidized             | 265-206-7 | 64743-01-7 | Petrolatum (petroleum), oxidised, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen        | 265-206-7 | 64743-01-7 | y |  |  |  |  | 905 |  | y |  |  |  |  |
| Petrolatum (petroleum), alumina-treated      | 285-098-5 | 85029-74-9 | Petrolatum (petroleum), alumina-treated, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen | 285-098-5 | 85029-74-9 |   |  |  |  |  | 906 |  | y |  |  |  |  |
| Petrolatum (petroleum), hydrotreated         | 295-459-9 | 92045-77-7 | Petrolatum (petroleum), hydrotreated, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen    | 295-459-9 | 92045-77-7 | y |  |  |  |  | 907 |  | y |  |  |  |  |
| Petrolatum (petroleum), carbon-treated       | 308-149-6 | 97862-97-0 | Petrolatum (petroleum), carbon-treated, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen  | 308-149-6 | 97862-97-0 |   |  |  |  |  | 908 |  | y |  |  |  |  |
| Petrolatum (petroleum), silicic acid-treated | 308-150-1 | 97862-98-1 | Petrolatum (petroleum), silicic acid-treated, except if the full refining  | 308-150-1 | 97862-98-1 |   |  |  |  |  | 909 |  | y |  |  |  |  |

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|--|-----------|-------------|---|-----------|-------------|---|--|--|--|--|-----|--|---|--|--|--|--|--|
|  |           |             | history is known and it can be shown that the substance from which it is produced is not a carcinogen   |           |             |   |  |  |  |  |     |  |   |  |  |  |  |  |
| Petrolatum (petroleum), clay-treated                                 | 309-706-6 | 100684-33-1 | Petrolatum (petroleum), clay-treated, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen | 309-706-6 | 100684-33-1 | y |  |  |  |  | 910 |  | y |  |  |  |  |  |
| Distillates (petroleum), light catalytic cracked                     | 265-060-4 | 64741-59-9  | Distillates (petroleum), light catalytic cracked  | 265-060-4 | 64741-59-9  | y |  |  |  |  | 911 |  | y |  |  |  |  |  |
| Distillates (petroleum), intermediate catalytic cracked              | 265-062-5 | 64741-60-2  | Distillates (petroleum), intermediate catalytic cracked   | 265-062-5 | 64741-60-2  | y |  |  |  |  | 912 |  | y |  |  |  |  |  |
| Distillates (petroleum), light thermal cracked                       | 265-084-5 | 64741-82-8  | Distillates (petroleum), light thermal cracked  | 265-084-5 | 64741-82-8  | y |  |  |  |  | 913 |  | y |  |  |  |  |  |
| Distillates (petroleum), hydrodesulfurized light catalytic cracked   | 269-781-5 | 68333-25-5  | Distillates (petroleum), hydrodesulfurized light catalytic cracked  | 269-781-5 | 68333-25-5  | y |  |  |  |  | 914 |  | y |  |  |  |  |  |
| Distillates (petroleum), light steam-cracked naphtha                 | 270-662-5 | 68475-80-9  | Distillates (petroleum), light steam-cracked naphtha  | 270-662-5 | 68475-80-9  | y |  |  |  |  | 915 |  | y |  |  |  |  |  |
| Distillates (petroleum), cracked steam-cracked petroleum distillates | 270-727-8 | 68477-38-3  | Distillates (petroleum), cracked steam-cracked petroleum distillates  | 270-727-8 | 68477-38-3  | y |  |  |  |  | 916 |  | y |  |  |  |  |  |
| Gas oils (petroleum), steam-cracked                                  | 271-260-2 | 68527-18-4  | Gas oils (petroleum), steam-cracked   | 271-260-2 | 68527-18-4  | y |  |  |  |  | 917 |  | y |  |  |  |  |  |
| Distillates (petroleum), hydrodesulfurized thermal cracked middle    | 285-505-6 | 85116-53-6  | Distillates (petroleum), hydrodesulfurized thermal cracked middle   | 285-505-6 | 85116-53-6  | y |  |  |  |  | 918 |  | y |  |  |  |  |  |
| Gas oils (petroleum), thermal-cracked, hydrodesulfurized             | 295-411-7 | 92045-29-9  | Gas oils (petroleum), thermal-cracked, hydrodesulfurized  | 295-411-7 | 92045-29-9  | y |  |  |  |  | 919 |  | y |  |  |  |  |  |
| Residues (petroleum), hydrogenated steam-cracked naphtha             | 295-514-7 | 92062-00-5  | Residues (petroleum), hydrogenated steam-cracked naphtha  | 295-514-7 | 92062-00-5  |   |  |  |  |  | 920 |  | y |  |  |  |  |  |

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|---|-----------|-------------|---|-----------|-------------|---|--|--|--|--|-----|--|---|--|--|--|--|
| Residues (petroleum), steam-cracked naphtha distn.                    | 295-517-3 | 92062-04-9  | Residues (petroleum), steam-cracked naphtha distn.                    | 295-517-3 | 92062-04-9  |   |  |  |  |  | 921 |  | y |  |  |  |  |
| Distillates (petroleum), light catalytic cracked, thermally degraded  | 295-991-1 | 92201-60-0  | Distillates (petroleum), light catalytic cracked, thermally degraded  | 295-991-1 | 92201-60-0  |   |  |  |  |  | 922 |  | y |  |  |  |  |
| Residues (petroleum), steam-cracked heat-soaked naphtha               | 297-905-8 | 93763-85-0  | Residues (petroleum), steam-cracked heat-soaked naphtha               | 297-905-8 | 93763-85-0  |   |  |  |  |  | 923 |  | y |  |  |  |  |
| Gas oils (petroleum), light vacuum, thermal-cracked hydrodesulfurized | 308-278-8 | 97926-59-5  | Gas oils (petroleum), light vacuum, thermal-cracked hydrodesulfurized | 308-278-8 | 97926-59-5  |   |  |  |  |  | 924 |  | y |  |  |  |  |
| Distillates (petroleum), hydrodesulfurized middle coker               | 309-865-1 | 101316-59-0 | Distillates (petroleum), hydrodesulfurized middle coker               | 309-865-1 | 101316-59-0 | y |  |  |  |  | 925 |  | y |  |  |  |  |
| Distillates (petroleum), heavy steam-cracked                          | 309-939-3 | 101631-14-5 | Distillates (petroleum), heavy steam-cracked                          | 309-939-3 | 101631-14-5 | y |  |  |  |  | 926 |  | y |  |  |  |  |
| Residues (petroleum), atm. tower                                      | 265-045-2 | 64741-45-3  | Residues (petroleum), atm. Tower                                      | 265-045-2 | 64741-45-3  | y |  |  |  |  | 927 |  | y |  |  |  |  |
| Gas oils (petroleum), heavy vacuum                                    | 265-058-3 | 64741-57-7  | Gas oils (petroleum), heavy vacuum                                    | 265-058-3 | 64741-57-7  | y |  |  |  |  | 928 |  | y |  |  |  |  |
| Distillates (petroleum), heavy catalytic cracked                      | 265-063-0 | 64741-61-3  | Distillates (petroleum), heavy catalytic cracked                      | 265-063-0 | 64741-61-3  | y |  |  |  |  | 929 |  | y |  |  |  |  |
| Clarified oils (petroleum), catalytic cracked                         | 265-064-6 | 64741-62-4  | Clarified oils (petroleum), catalytic cracked                         | 265-064-6 | 64741-62-4  | y |  |  |  |  | 930 |  | y |  |  |  |  |
| Residues (petroleum), catalytic reformer fractionator                 | 265-069-3 | 64741-67-9  | Residues (petroleum), catalytic reformer fractionator                 | 265-069-3 | 64741-67-9  | y |  |  |  |  | 931 |  | y |  |  |  |  |
| Residues (petroleum), hydrocracked                                    | 265-076-1 | 64741-75-9  | Residues (petroleum), hydrocracked                                    | 265-076-1 | 64741-75-9  | y |  |  |  |  | 932 |  | y |  |  |  |  |
| Residues (petroleum), thermal cracked                                 | 265-081-9 | 64741-80-6  | Residues (petroleum), thermal cracked                                 | 265-081-9 | 64741-80-6  | y |  |  |  |  | 933 |  | y |  |  |  |  |
| Distillates (petroleum), heavy thermal cracked                        | 265-082-4 | 64741-81-7  | Distillates (petroleum), heavy thermal cracked                        | 265-082-4 | 64741-81-7  | y |  |  |  |  | 934 |  | y |  |  |  |  |
| Gas oils (petroleum), hydrotreated vacuum                             | 265-162-9 | 64742-59-2  | Gas oils (petroleum), hydrotreated vacuum                             | 265-162-9 | 64742-59-2  | y |  |  |  |  | 935 |  | y |  |  |  |  |
| Residues (petroleum), hydrodesulfurized                               | 265-181-2 | 64742-78-5  | Residues (petroleum), hydrodesulfurized                               | 265-181-2 | 64742-78-5  | y |  |  |  |  | 936 |  | y |  |  |  |  |

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|---|-----------|------------|---|-----------|------------|---|--|--|--|--|-----|--|---|--|--|--|--|--|
| rized atmospheric tower   |           |            | sed atmospheric tower   |           |            |   |  |  |  |  |     |  |   |  |  |  |  |  |
| Gas oils (petroleum), hydrodesulfurized heavy vacuum                      | 265-189-6 | 64742-86-5 | Gas oils (petroleum), hydrodesulfurized heavy vacuum                      | 265-189-6 | 64742-86-5 | y |  |  |  |  | 937 |  | y |  |  |  |  |  |
| Residues (petroleum), steam-cracked                                       | 265-193-8 | 64742-90-1 | Residues (petroleum), steam-cracked                                       | 265-193-8 | 64742-90-1 | y |  |  |  |  | 938 |  | y |  |  |  |  |  |
| Residues (petroleum), atmospheric   | 269-777-3 | 68333-22-2 | Residues (petroleum), atmospheric   | 269-777-3 | 68333-22-2 | y |  |  |  |  | 939 |  | y |  |  |  |  |  |
| Clarified oils (petroleum), hydrodesulfurized catalytic cracked           | 269-782-0 | 68333-26-6 | Clarified oils (petroleum), hydrodesulfurized catalytic cracked           | 269-782-0 | 68333-26-6 |   |  |  |  |  | 940 |  | y |  |  |  |  |  |
| Distillates (petroleum), hydrodesulfurized intermediate catalytic cracked | 269-783-6 | 68333-27-7 | Distillates (petroleum), hydrodesulfurized intermediate catalytic cracked | 269-783-6 | 68333-27-7 |   |  |  |  |  | 941 |  | y |  |  |  |  |  |
| Distillates (petroleum), hydrodesulfurized heavy catalytic cracked        | 269-784-1 | 68333-28-8 | Distillates (petroleum), hydrodesulfurized heavy catalytic cracked        | 269-784-1 | 68333-28-8 |   |  |  |  |  | 942 |  | y |  |  |  |  |  |
| Fuel oil, residues-straight-run gas oils, high-sulfur                     | 270-674-0 | 68476-32-4 | Fuel oil, residues-straight-run gas oils, high-sulfur                     | 270-674-0 | 68476-32-4 | y |  |  |  |  | 943 |  | y |  |  |  |  |  |
| Fuel oil, residual  | 270-675-6 | 68476-33-5 | Fuel oil, residual  | 270-675-6 | 68476-33-5 | y |  |  |  |  | 944 |  | y |  |  |  |  |  |
| Residues (petroleum), catalytic reformer fractionator residue distn.      | 270-792-2 | 68478-13-7 | Residues (petroleum), catalytic reformer fractionator residue distn.      | 270-792-2 | 68478-13-7 |   |  |  |  |  | 945 |  | y |  |  |  |  |  |
| Residues (petroleum), heavy coker gas oil and vacuum gas oil              | 270-796-4 | 68478-17-1 | Residues (petroleum), heavy coker gas oil and vacuum gas oil              | 270-796-4 | 68478-17-1 | y |  |  |  |  | 946 |  | y |  |  |  |  |  |
| Residues (petroleum), heavy coker and light vacuum                        | 270-983-0 | 68512-61-8 | Residues (petroleum), heavy coker and light vacuum                        | 270-983-0 | 68512-61-8 |   |  |  |  |  | 947 |  | y |  |  |  |  |  |
| Residues (petroleum), light vacuum  | 270-984-6 | 68512-62-9 | Residues (petroleum), light vacuum  | 270-984-6 | 68512-62-9 | y |  |  |  |  | 948 |  | y |  |  |  |  |  |
| Residues (petroleum), steam-cracked light                                 | 271-013-9 | 68513-69-9 | Residues (petroleum), steam-cracked light                                 | 271-013-9 | 68513-69-9 | y |  |  |  |  | 949 |  | y |  |  |  |  |  |
| Fuel oil, no. 6   | 271-384-7 | 68553-00-4 | Fuel oil, No 6  | 271-384-7 | 68553-00-4 | y |  |  |  |  | 950 |  | y |  |  |  |  |  |
| Residues (petroleum), topping plant, low-sulfur                           | 271-763-7 | 68607-30-7 | Residues (petroleum), topping plant, low-sulfur                           | 271-763-7 | 68607-30-7 | y |  |  |  |  | 951 |  | y |  |  |  |  |  |
| Gas oils (petroleum), heavy atmospheric                                   | 272-184-2 | 68783-08-4 | Gas oils (petroleum), heavy atmospheric                                   | 272-184-2 | 68783-08-4 | y |  |  |  |  | 952 |  | y |  |  |  |  |  |

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|---|-----------|-------------|---|-----------|-------------|---|--|--|--|-----|--|---|--|--|--|--|
| Residues (petroleum), coker scrubber, condensed-ring-arom                   | 272-187-9 | 68783-13-1  | Residues (petroleum), coker scrubber, condensed-ring-arom. - contg          | 272-187-9 | 68783-13-1  |   |  |  |  | 953 |  | y |  |  |  |  |
| Distillates (petroleum), petroleum residues vacuum                          | 273-263-4 | 68955-27-1  | Distillates (petroleum), petroleum residues vacuum                          | 273-263-4 | 68955-27-1  | y |  |  |  | 954 |  | y |  |  |  |  |
| Residues (petroleum), steam-cracked, resinous                               | 273-272-3 | 68955-36-2  | Residues (petroleum), steam-cracked, resinous                               | 273-272-3 | 68955-36-2  |   |  |  |  | 955 |  | y |  |  |  |  |
| Distillates (petroleum), intermediate vacuum                                | 274-683-0 | 70592-76-6  | Distillates (petroleum), intermediate vacuum                                | 274-683-0 | 70592-76-6  | y |  |  |  | 956 |  | y |  |  |  |  |
| Distillates (petroleum), light vacuum                                       | 274-684-6 | 70592-77-7  | Distillates (petroleum), light vacuum                                       | 274-684-6 | 70592-77-7  | y |  |  |  | 957 |  | y |  |  |  |  |
| Distillates (petroleum), vacuum   | 274-685-1 | 70592-78-8  | Distillates (petroleum), vacuum   | 274-685-1 | 70592-78-8  | y |  |  |  | 958 |  | y |  |  |  |  |
| Gas oils (petroleum), hydrodesulfurized coker heavy vacuum                  | 285-555-9 | 85117-03-9  | Gas oils (petroleum), hydrodesulfurized coker heavy vacuum                  | 285-555-9 | 85117-03-9  |   |  |  |  | 959 |  | y |  |  |  |  |
| Residues (petroleum), steam-cracked, distillates                            | 292-657-7 | 90669-75-3  | Residues (petroleum), steam-cracked, distillates                            | 292-657-7 | 90669-75-3  |   |  |  |  | 960 |  | y |  |  |  |  |
| Residues (petroleum), vacuum, light   | 292-658-2 | 90669-76-4  | Residues (petroleum), vacuum, light   | 292-658-2 | 90669-76-4  | y |  |  |  | 961 |  | y |  |  |  |  |
| Fuel oil, heavy, high-sulfur  | 295-396-7 | 92045-14-2  | Fuel oil, heavy, high-sulfur  | 295-396-7 | 92045-14-2  | y |  |  |  | 962 |  | y |  |  |  |  |
| Residues (petroleum), catalytic cracking                                    | 295-511-0 | 92061-97-7  | Residues (petroleum), catalytic cracking                                    | 295-511-0 | 92061-97-7  | y |  |  |  | 963 |  | y |  |  |  |  |
| Distillates (petroleum), intermediate catalytic cracked, thermally degraded | 295-990-6 | 92201-59-7  | Distillates (petroleum), intermediate catalytic cracked, thermally degraded | 295-990-6 | 92201-59-7  |   |  |  |  | 964 |  | y |  |  |  |  |
| Residual oils (petroleum)   | 298-754-0 | 93821-66-0  | Residual oils (petroleum)   | 298-754-0 | 93821-66-0  | y |  |  |  | 965 |  | y |  |  |  |  |
| Residues, steam cracked, thermally treated                                  | 308-733-0 | 98219-64-8  | Residues, steam cracked, thermally treated                                  | 308-733-0 | 98219-64-8  | y |  |  |  | 966 |  | y |  |  |  |  |
| Distillates (petroleum), hydrodesulfurized full-range middle                | 309-863-0 | 101316-57-8 | Distillates (petroleum), hydrodesulfurized full-range middle                | 309-863-0 | 101316-57-8 |   |  |  |  | 967 |  | y |  |  |  |  |
| Distillates (petroleum), light paraffinic                                   | 265-051-5 | 64741-50-0  | Distillates (petroleum), light paraffinic                                   | 265-051-5 | 64741-50-0  | y |  |  |  | 968 |  | y |  |  |  |  |
| Distillates (petroleum), heavy paraffinic                                   | 265-052-0 | 64741-51-1  | Distillates (petroleum), heavy paraffinic                                   | 265-052-0 | 64741-51-1  | y |  |  |  | 969 |  | y |  |  |  |  |



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|--|-----------|------------|--|-----------|------------|---|--|--|--|--|-----|--|---|--|--|--|--|
| Distillates (petroleum), light naphthenic                        | 265-053-6 | 64741-52-2 | Distillates (petroleum), light naphthenic                        | 265-053-6 | 64741-52-2 | y |  |  |  |  | 970 |  | y |  |  |  |  |
| Distillates (petroleum), heavy naphthenic                        | 265-054-1 | 64741-53-3 | Distillates (petroleum), heavy naphthenic                        | 265-054-1 | 64741-53-3 | y |  |  |  |  | 971 |  | y |  |  |  |  |
| Distillates (petroleum), acid-treated heavy naphthenic           | 265-117-3 | 64742-18-3 | Distillates (petroleum), acid-treated heavy naphthenic           | 265-117-3 | 64742-18-3 |   |  |  |  |  | 972 |  | y |  |  |  |  |
| Distillates (petroleum), acid-treated light naphthenic           | 265-118-9 | 64742-19-4 | Distillates (petroleum), acid-treated light naphthenic           | 265-118-9 | 64742-19-4 |   |  |  |  |  | 973 |  | y |  |  |  |  |
| Distillates (petroleum), acid-treated heavy paraffinic           | 265-119-4 | 64742-20-7 | Distillates (petroleum), acid-treated heavy paraffinic           | 265-119-4 | 64742-20-7 |   |  |  |  |  | 974 |  | y |  |  |  |  |
| Distillates (petroleum), acid-treated light paraffinic           | 265-121-5 | 64742-21-8 | Distillates (petroleum), acid-treated light paraffinic           | 265-121-5 | 64742-21-8 |   |  |  |  |  | 975 |  | y |  |  |  |  |
| Distillates (petroleum), chemically neutralized heavy paraffinic | 265-127-8 | 64742-27-4 | Distillates (petroleum), chemically neutralised heavy paraffinic | 265-127-8 | 64742-27-4 |   |  |  |  |  | 976 |  | y |  |  |  |  |
| Distillates (petroleum), chemically neutralized light paraffinic | 265-128-3 | 64742-28-5 | Distillates (petroleum), chemically neutralised light paraffinic | 265-128-3 | 64742-28-5 |   |  |  |  |  | 977 |  | y |  |  |  |  |
| Distillates (petroleum), chemically neutralized heavy naphthenic | 265-135-1 | 64742-34-3 | Distillates (petroleum), chemically neutralised heavy naphthenic | 265-135-1 | 64742-34-3 |   |  |  |  |  | 978 |  | y |  |  |  |  |
| Distillates (petroleum), chemically neutralized light naphthenic | 265-136-7 | 64742-35-4 | Distillates (petroleum), chemically neutralised light naphthenic | 265-136-7 | 64742-35-4 |   |  |  |  |  | 979 |  | y |  |  |  |  |
| Extracts (petroleum), light naphthenic distillate solvent        | 265-102-1 | 64742-03-6 | Extracts (petroleum), light naphthenic distillate solvent        | 265-102-1 | 64742-03-6 |   |  |  |  |  | 980 |  | y |  |  |  |  |
| Extracts (petroleum), heavy paraffinic distillate solvent        | 265-103-7 | 64742-04-7 | Extracts (petroleum), heavy paraffinic distillate solvent        | 265-103-7 | 64742-04-7 | y |  |  |  |  | 981 |  | y |  |  |  |  |
| Extracts (petroleum), light paraffinic distillate solvent        | 265-104-2 | 64742-05-8 | Extracts (petroleum), light paraffinic distillate solvent        | 265-104-2 | 64742-05-8 | y |  |  |  |  | 982 |  | y |  |  |  |  |
| Extracts (petroleum), heavy naphthenic distillate solvent        | 265-111-0 | 64742-11-6 | Extracts (petroleum), heavy naphthenic distillate solvent        | 265-111-0 | 64742-11-6 | y |  |  |  |  | 983 |  | y |  |  |  |  |
| Extracts (petroleum), light vacuum                               | 295-341-7 | 91995-78-7 | Extracts (petroleum),  | 295-341-7 | 91995-78-7 |   |  |  |  |  | 984 |  | y |  |  |  |  |

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|--|-----------|------------|---|------------|------------|---|---|---|----|-----|--|---|---|---|---|--|--|---|
| gas oil solvent  |           |            | light vacuum gas oil solvent  |            |            |   |   |   |    |     |  |   |   |   |   |  |  |   |
| Hydrocarbons, C26-55, arom.-rich   | 307-753-7 | 97722-04-8 | Hydrocarbons, C26-55, arom.-rich  | 307-753-7  | 97722-04-8 |   |   |   |    | 985 |  | y |   |   |   |  |  |   |
| Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate)  | 209-358-4 | 573-58-0   | Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate)   | 209-358-4  | 573-58-0   |   |   |   |    | 986 |  | y | y |   |   |  |  |   |
| Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo]-5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate    | 217-710-3 | 1937-37-7  | Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo]-5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate   | 217-710-3  | 1937-37-7  |   |   |   |    | 987 |  | y | y |   |   |  |  |   |
| Tetrasodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis[5-amino-4-hydroxynaphthalene-2,7-disulphonate]                           | 220-012-1 | 2602-46-2  | Tetrasodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis[5-amino-4-hydroxynaphthalene-2,7-disulphonate]                          | 220-012-1  | 2602-46-2  |   |   |   |    | 988 |  | y | y |   |   |  |  |   |
| 4-o-tolylazo-o-toluidine   | 202-591-2 | 97-56-3    | o-aminoazotoluene, 4-o-Tolylazo-o-toluidine, Solvent Yellow 3, o-Aminoazobenzene  | 202-591-2, | 97-56-3    |   |   | 4 | 35 | 989 |  | y | y |   |   |  |  | y |
| 4-aminoazobenzene  | 200-453-6 | 60-09-3    | 4-aminoazobenzene, 4-Aminoazobenzene, Solvent Yellow 1  | 200-453-6, | 60-09-3    | y | 3 | 3 | 3  | 990 |  | y |   |   |   |  |  | y |
| Disodium [5-[[4'-[[2,6-dihydroxy-3-[(2-hydroxy-5-sulphophenyl)azo]phenyl]azo][1,1'-biphenyl]-4-yl]azo]salicylate(4-))cuprate(2-) | 240-221-1 | 16071-86-6 | Disodium[5-[[4'-[[2,6-dihydroxy-3-[(2-hydroxy-5-sulphophenyl)azo]phenyl]azo][1,1'-biphenyl]-4-yl]azo]salicylate(4-))cuprate(2-) | 240-221-1  | 16071-86-6 |   |   |   |    | 991 |  | y |   |   |   |  |  |   |
| m-bis(2,3-epoxypropoxy)benzene   | 202-987-5 | 101-90-6   | Resorcinol diglycidyl ether   | 202-987-5  | 101-90-6   |   |   |   |    | 992 |  | y | y |   |   |  |  | y |
| 1,3-diphenylguanidine  | 203-002-1 | 102-06-7   | 1,3-Diphenylguanidine   | 203-002-1  | 102-06-7   | y |   |   |    | 993 |  |   |   | y | y |  |  |   |
| Heptachlor epoxide   | 213-831-0 | 1024-57-3  | Heptachlor epoxide  | 213-831-0  | 1024-57-3  |   |   |   |    | 994 |  | y |   |   |   |  |  |   |
| 4-nitrosophenol  | 203-251-6 | 104-91-6   | 4-Nitrosophenol   | 203-251-6  | 104-91-6   |   |   |   |    | 995 |  | y |   |   |   |  |  | y |

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|--|-----------|-------------|---|-----------|-------------|---|--|--|--|------|---|---|---|---|--|
| Carbendazim  | 234-232-0 | 10605-21-7  | Carbendazim   | 234-232-0 | 10605-21-7  |   |  |  |  | 996  |   | y | y |   |  |
| Allyl 2,3-epoxypropyl ether  | 203-442-4 | 106-92-3    | Allyl glycidyl ether  | 203-442-4 | 106-92-3    | y |  |  |  | 997  | y | y | y | y |  |
| Chloroacetaldehyde   | 203-472-8 | 107-20-0    | Chloroacetaldehyde  | 203-472-8 | 107-20-0    | y |  |  |  | 998  |   | y |   | y |  |
| N-hexane   | 203-777-6 | 110-54-3    | Hexane  | 203-777-6 | 110-54-3    | y |  |  |  | 999  |   |   | y | y |  |
| 2-(2-methoxyethoxy)ethanol   | 203-906-6 | 111-77-3    | 2-(2-Methoxyethoxy)ethanol (Diethylene glycol monomethyl ether; DEGME)  | 203-906-6 | 111-77-3    | y |  |  |  | 1000 |   |   | y |   |  |
| (+/-) 2-(2,4-dichlorophenyl)-3-(1H-1,2,4-triazole-1-yl)propyl-1,1,2,2-tetrafluoroethyl ether | 407-760-6 | 112281-77-3 | (+/-)-2-(2,4-Dichlorophenyl)-3-(1H-1,2,4-triazol-1-yl)propyl-1,1,2,2-tetrafluoroethyl ether (Tetraconazole - ISO) | 407-760-6 | 112281-77-3 | y |  |  |  | 1001 |   |   |   |   |  |
| 1-[2-(2,4-dichlorophenyl)-3-(1,1,2,2-tetrafluoroethoxy)propyl]-1.H.-[1,2,4]triazole          | 691-058-1 | 112281-77-3 | (+/-)-2-(2,4-Dichlorophenyl)-3-(1H-1,2,4-triazol-1-yl)propyl-1,1,2,2-tetrafluoroethyl ether (Tetraconazole - ISO) | 407-760-6 | 112281-77-3 |   |  |  |  | 1001 |   |   |   |   |  |
| [No public or meaningful name is available]  | 407-760-7 | 112281-77-3 | (+/-)-2-(2,4-Dichlorophenyl)-3-(1H-1,2,4-triazol-1-yl)propyl-1,1,2,2-tetrafluoroethyl ether (Tetraconazole - ISO) | 407-760-6 | 112281-77-3 |   |  |  |  | 1001 |   |   |   |   |  |
| 4-[4-(1,3-dihydroxyprop-2-yl)phenylamino]-1,8-dihydroxy-5-nitroanthraquinone                 | 406-057-1 | 114565-66-1 | 4-[4-(1,3-Dihydroxyprop-2-yl)phenylamino]-1,8-dihydroxy-5-nitroanthraquinone                                      | 406-057-1 | 114565-66-1 | y |  |  |  | 1002 | y | y |   |   |  |
| 5,6,12,13-tetrachloroanthra(2,1,9-def:6,5,10-d'e'f')diisoquinoline-1,3,8,10(2H,9H)-tetrone   | 405-100-1 | 115662-06-1 | 5,6,12,13-Tetrachloroanthra(2,1,9-def:6,5,10-d'e'f')diisoquinoline-1,3,8,10(2H,9H)-tetrone                        | 405-100-1 | 115662-06-1 | y |  |  |  | 1003 |   |   |   | y |  |
| Tris(2-chloroethyl)phosphate   | 204-118-5 | 115-96-8    | tris(2-Chloroethyl)phosphate  | 204-118-5 | 115-96-8    | y |  |  |  | 1004 |   | y | y |   |  |
| 4'-ethoxy-2-benzimidazoleanilide   | 407-600-5 | 120187-29-3 | 4'-Ethoxy-2-benzimidazoleanilide  | 407-600-5 | 120187-29-3 |   |  |  |  | 1005 |   | y |   |   |  |
| Nickel dihydroxide   | 235-008-5 | 12054-48-7  | Nickel dihydroxide  | 235-008-5 | 12054-48-7  | y |  |  |  | 1006 | y | y | y | y |  |
| N,N-dimethylaniline  | 204-493-5 | 121-69-7    | N,N-Dimethylaniline   | 204-493-5 | 121-69-7    | y |  |  |  | 1007 |   | y |   |   |  |
| Simazine   | 204-535-2 | 122-34-9    | Simazine  | 204-535-2 | 122-34-9    |   |  |  |  | 1008 |   | y |   |   |  |
| Bis(η5-cyclopentadienyl)-  | 412-000-1 | 125051-32-3 | bis(Cyclopentadienyl)-bis(2,6-  | 412-000-1 | 125051-32-3 | y |  |  |  | 1009 |   |   | y |   |  |

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|--|-----------|---------------------|---|-----------|-------------|---|--|--|--|--|--|------|---|---|---|--|---|---|
| bis(2,6-difluoro-3-(pyrrol-1-yl)phenyl)titanium                      |           |                     | difluoro-3-(pyrrol-1-yl)phenyl)titanium                               |           |             |   |  |  |  |  |  |      |   |   |   |  |   |   |
| Bis(2,6-difluoro-3-(1-hydropyrrol-1-yl)phenyl)titanocene             | 603-024-5 | 125051-32-3         | bis(Cyclopentadienyl)-bis(2,6-difluoro-3-(pyrrol-1-yl)phenyl)titanium | 412-000-1 | 125051-32-3 |   |  |  |  |  |  | 1009 |   |   |   |  |   |   |
| N,N,N',N'-tetraglycidyl-4,4'-diamino-3,3'-diethyldiphenylmethane     | 410-060-3 | 130728-76-6         | N,N,N',N'-Tetraglycidyl-4,4'-diamino-3,3'-diethyldiphenylmethane      | 410-060-3 | 130728-76-6 | y |  |  |  |  |  | 1010 | y | y |   |  |   |   |
| Alkanes, C9-12-iso   | 680-543-3 | 130728-76-6         | N,N,N',N'-Tetraglycidyl-4,4'-diamino-3,3'-diethyldiphenylmethane      | 410-060-3 | 130728-76-6 |   |  |  |  |  |  | 1010 |   |   |   |  |   |   |
| Divanadium pentaoxide  | 215-239-8 | 1314-62-1           | Divanadium pentaoxide   | 215-239-8 | 1314-62-1   | y |  |  |  |  |  | 1011 |   | y | y |  |   |   |
| Pentachlorophenol  | 201-778-6 | 87-86-5, 85380-74-1 | Pentachlorophenol and its alkali salts                                | 201-778-6 | 87-86-5     |   |  |  |  |  |  | 1012 |   | y |   |  | y |   |
| Sodium pentachlorophenolate  | 205-025-2 | 131-52-2            | Pentachlorophenol and its alkali salts                                | 205-025-2 | 131-52-2    |   |  |  |  |  |  | 1012 |   | y |   |  | y |   |
| Potassium pentachlorophenolate                                       | 231-911-3 | 7778-73-6           | Pentachlorophenol and its alkali salts                                | 231-911-3 | 7778-73-6   |   |  |  |  |  |  | 1012 |   | y |   |  | y |   |
| Phosphamidon   | 236-116-5 | 13171-21-6          | Phosphamidon  | 236-116-5 | 13171-21-6  |   |  |  |  |  |  | 1013 |   | y |   |  |   |   |
| N-(trichloromethylthio)phthalimide                                   | 205-088-6 | 133-07-3            | N-(Trichloromethylthio)phthalimide (Folpet - ISO)                     | 205-088-6 | 133-07-3    |   |  |  |  |  |  | 1014 | y | y |   |  |   | y |
| N-2-naphthylaniline  | 205-223-9 | 135-88-6            | N-2-Naphthylaniline   | 205-223-9 | 135-88-6    | y |  |  |  |  |  | 1015 | y | y |   |  |   | y |
| Ziram  | 205-288-3 | 137-30-4            | Ziram   | 205-288-3 | 137-30-4    | y |  |  |  |  |  | 1016 | y |   |   |  |   | y |
| 1-bromo-3,4,5-trifluorobenzene                                       | 418-480-9 | 138526-69-9         | 1-Bromo-3,4,5-trifluorobenzene  | 418-480-9 | 138526-69-9 | y |  |  |  |  |  | 1017 |   | y |   |  |   | y |
| 1-Bromo-3,4,5-trifluorobenzol  | 604-081-9 | 138526-69-9         | 1-Bromo-3,4,5-trifluorobenzene  | 418-480-9 | 138526-69-9 |   |  |  |  |  |  | 1017 |   |   |   |  |   |   |
| Propazine  | 205-359-9 | 139-40-2            | Propazine   | 205-359-9 | 139-40-2    | y |  |  |  |  |  | 1018 |   | y |   |  |   |   |
| 3-(4-chlorophenyl)-1,1-dimethyluronium trichloroacetate              | 620-358-7 | 140-41-0            | 3-(4-Chlorophenyl)-1,1-dimethyluronium trichloroacetate; monuron-TCA  |           | 140-41-0    |   |  |  |  |  |  | 1019 |   | y |   |  |   | y |
| 5-cyclopropyl-1,2-oxazol-4-yl α,α,α-trifluoro-2-mesyl-p-tolyl ketone | 604-222-4 | 141112-29-0         | Isoxaflutole  |           | 141112-29-0 |   |  |  |  |  |  | 1020 |   |   |   |  |   | y |
| kresoxim-methyl (ISO)  | 604-351-6 | 143390-89-0         | Kresoxim-methyl   |           | 143390-89-0 | y |  |  |  |  |  | 1021 |   | y |   |  |   |   |

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|--|-----------|-------------|---|-----------|-------------|---|--|--|--|------|---|---|---|---|--|
| Chlordecone  | 205-601-3 | 143-50-0    | Chlordecone   | 205-601-3 | 143-50-0    |   |  |  |  | 1022 |   | y |   |   |  |
| 9-vinylcarbazole   | 216-055-0 | 1484-13-5   | 9-Vinylcarbazole  | 216-055-0 | 1484-13-5   |   |  |  |  | 1023 | y | y |   | y |  |
| 2-ethylhexanoic acid   | 205-743-6 | 149-57-5    | 2-Ethylhexanoic acid  | 205-743-6 | 149-57-5    | y |  |  |  | 1024 |   |   | y |   |  |
| Monuron  | 205-766-1 | 150-68-5    | Monuron   | 205-766-1 | 150-68-5    |   |  |  |  | 1025 |   | y |   |   |  |
| Morpholine-4-carbonyl chloride   | 239-213-0 | 15159-40-7  | Morpholine-4-carbonyl chloride  | 239-213-0 | 15159-40-7  |   |  |  |  | 1026 |   | y |   | y |  |
| Daminozide   | 216-485-9 | 1596-84-5   | Daminozide  | 216-485-9 | 1596-84-5   |   |  |  |  | 1027 |   |   |   |   |  |
| Alachlor   | 240-110-8 | 15972-60-8  | Alachlor (ISO)  | 240-110-8 | 15972-60-8  |   |  |  |  | 1028 | y | y |   |   |  |
| UVCB condensation product of: tetrakis-hydroxymethylphosphonium chloride, urea and distilled hydrogenated C16-18 tallow alkylamine | 422-720-8 | 166242-53-1 | UVCB condensation product of: tetrakis-hydroxymethyl phosphonium chloride, urea and distilled hydrogenated C16-18 tallow alkylamine | 422-720-8 | 166242-53-1 | y |  |  |  | 1029 | y | y |   | y |  |
| Ioxynil  | 216-881-1 | 1689-83-4   | Ioxynil and Ioxynil octanoate (ISO)   | 216-881-1 | 1689-83-4   |   |  |  |  | 1030 |   |   | y | y |  |
| 4-cyano-2,6-diiodophenyl octanoate   | 223-375-4 | 3861-47-0   | Ioxynil and Ioxynil octanoate (ISO)   | 223-375-4 | 3861-47-0   |   |  |  |  | 1030 | y |   | y | y |  |
| 3,5-dibromo-4-hydroxybenz onitrile   | 216-882-7 | 1689-84-5   | Bromoxynil (ISO) (3,5-Dibromo-4-hydroxybenzo nitrile) and Bromoxynil heptanoate (ISO)   | 216-882-7 | 1689-84-5   |   |  |  |  | 1031 | y |   | y |   |  |
| 2,6-dibromo-4-cyanophenyl heptanoate   | 260-300-4 | 56634-95-8  | Bromoxynil (ISO) (3,5-Dibromo-4-hydroxybenzo nitrile) and Bromoxynil heptanoate (ISO)   | 260-300-4 | 56634-95-8  |   |  |  |  | 1031 | y |   | y |   |  |
| 2,6-dibromo-4-cyanophenyl octanoate  | 216-885-3 | 1689-99-2   | 2,6-Dibromo-4-cyanophenyl octanoate   | 216-885-3 | 1689-99-2   |   |  |  |  | 1032 | y |   | y |   |  |
| 5-chloro-1,3-dihydro-2H-indol-2-one  | 412-200-9 | 17630-75-0  | 5-Chloro-1,3-dihydro-2H-indol-2-one   | 412-200-9 | 17630-75-0  | y |  |  |  | 1034 | y |   | y |   |  |
| [No public or meaningful name is available]  | 623-924-1 | 17630-75-0  | 5-Chloro-1,3-dihydro-2H-indol-2-one   | 412-200-9 | 17630-75-0  |   |  |  |  | 1034 |   |   |   |   |  |
| Benomyl  | 241-775-7 | 17804-35-2  | Benomyl   | 241-775-7 | 17804-35-2  |   |  |  |  | 1035 | y | y | y | y |  |
| Chlorothalonil   | 217-588-1 | 1897-45-6   | Chlorothalonil  | 217-588-1 | 1897-45-6   |   |  |  |  | 1036 | y | y |   | y |  |
| N'-(4-chloro-tolyl)-N,N-dimethylfor mamidine monohydrochloride   | 243-269-1 | 19750-95-9  | N'-(4-Chloro-tolyl)-N,N-dimethylforma midine monohydrochl oride   | 243-269-1 | 19750-95-9  |   |  |  |  | 1037 |   | y |   |   |  |

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|---|-----------|------------|--|------------|------------|---|--|--|---|---|------|---|---|---|---|---|---|--|
| 4,4'-methylenebis(2-ethylaniline)   | 243-420-1 | 19900-65-3 | 4,4'-Methylenebis(2-ethylaniline)  | 243-420-1  | 19900-65-3 |   |  |  |   |   | 1038 |   |   | y |   |   |   |  |
| Valinamide  | 402-840-7 | 20108-78-5 | Valinamide   | 402-840-7  | 20108-78-5 | y |  |  |   |   | 1039 | y |   |   | y | y |   |  |
| [(p-tolyloxy)methyl]oxirane   | 218-574-8 | 2186-24-5  | [(p-Tolyloxy)methyl]oxirane  | 218-574-8  | 2186-24-5  |   |  |  |   |   | 1040 | y | y |   |   |   | y |  |
| [(m-tolyloxy)methyl]oxirane   | 218-575-3 | 2186-25-6  | [(m-Tolyloxy)methyl]oxirane  | 218-575-3  | 2186-25-6  |   |  |  |   |   | 1041 | y | y |   |   |   | y |  |
| 2,3-epoxypropyl o-tolyl ether   | 218-645-3 | 2210-79-9  | 2,3-Epoxypropyl o-tolyl ether  | 218-645-3  | 2210-79-9  | y |  |  |   |   | 1042 | y | y |   |   |   | y |  |
| [(tolylloxy)methyl]oxirane  | 247-711-4 | 26447-14-3 | [(Tolylloxy)methyl]oxirane, cresyl glycidyl ether                              | 247-711-4  | 26447-14-3 |   |  |  |   |   | 1043 | y | y |   |   |   | y |  |
| Di-allate   | 218-961-1 | 2303-16-4  | Di-allate  | 218-961-1  | 2303-16-4  |   |  |  |   |   | 1044 |   |   | y |   |   |   |  |
| Benzyl 2,4-dibromobutanoate   | 420-710-8 | 23085-60-1 | Benzyl 2,4-dibromobutanoate  | 420-710-8  | 23085-60-1 | y |  |  |   |   | 1045 | y |   |   | y | y |   |  |
| Trifluoroiodomethane  | 219-014-5 | 2314-97-8  | Trifluoroiodomethane   | 219-014-5  | 2314-97-8  |   |  |  |   |   | 1046 |   | y |   |   |   |   |  |
| Thiophanate-methyl  | 245-740-7 | 23564-05-8 | Thiophanate-methyl   | 245-740-7  | 23564-05-8 |   |  |  |   |   | 1047 | y | y |   |   |   |   |  |
|   |           |            | Thiophanate-methyl   | 245-740-7  | 23564-05-8 |   |  |  |   |   | 1047 |   |   |   |   |   |   |  |
| Dodecachloropentacyclo[5.2.1.0.2,6.0.3,9.0.5,8]decane                           | 219-196-6 | 2385-85-5  | Dodecachloropentacyclo[5.2.1.0.2,6.0.3,9.0.5,8]decane (Mirex)                  | 219-196-6  | 2385-85-5  |   |  |  |   |   | 1048 |   |   | y | y |   |   |  |
| 3,5-dichloro-N-(1,1-dimethylprop-2-ynyl)benzamide                               | 245-951-4 | 23950-58-5 | Propyzamide  | 245-951-4  | 23950-58-5 |   |  |  |   |   | 1049 |   |   | y |   |   |   |  |
| Butyl 2,3-epoxypropyl ether   | 219-376-4 | 2426-08-6  | Butyl glycidyl ether   | 219-376-4  | 2426-08-06 |   |  |  |   |   | 1050 | y | y |   |   |   |   |  |
| 2,3,4-trichlorobut-1-ene  | 219-397-9 | 2431-50-7  | 2,3,4-Trichlorobut-1-ene   | 219-397-9  | 2431-50-7  | y |  |  |   |   | 1051 |   |   | y |   |   | y |  |
| Chinomethionate   | 219-455-3 | 2439-01-2  | Chinomethionate  | 219-455-3  | 2439-01-02 |   |  |  |   |   | 1052 | y |   |   | y | y |   |  |
| (R)-α-phenylethylammonium (-)-(1R, 2S)-(1,2-epoxypropyl)phosphonate monohydrate | 418-570-8 | 25383-07-7 | (R)-α-Phenylethylammonium (-)-(1R,2S)-(1,2-epoxypropyl)phosphonate monohydrate | 418-570-8  | 25383-07-7 | y |  |  |   |   | 1053 |   |   |   |   | y |   |  |
| R)-α-Methylbenzethanamine (2R-cis)-(3-methoxyoxiranyl)phosphonate (1:1)         | 689-358-2 | 25383-07-7 | (R)-α-Phenylethylammonium (-)-(1R,2S)-(1,2-epoxypropyl)phosphonate monohydrate | 418-570-8  | 25383-07-7 |   |  |  |   |   | 1053 |   |   |   |   |   |   |  |
| 5-ethoxy-3-trichloromethyl-1,2,4-thiadiazole                                    | 219-991-8 | 2593-15-9  | 5-Ethoxy-3-trichloromethyl-1,2,4-thiadiazole (Etridiazole - ISO)               | 219-991-8  | 2593-15-9  |   |  |  |   |   | 1054 | y | y |   |   |   |   |  |
| N-[4-[(2-hydroxy-5-methylphenyl)azo]phenyl]acetamide                            | 220-600-8 | 2832-40-8  | Disperse Yellow 3, Disperse Yellow 3   | 220-600-8, | 2832-40-8  |   |  |  | 2 | 2 | 1055 | y | y |   |   |   |   |  |

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|--|-----------|------------|---|-----------|------------|---|--|--|--|------|---|---|---|---|--|
| 1,2,4-triazole   | 206-022-9 | 288-88-0   | 1,2,4-Triazole  | 206-022-9 | 288-88-0   | y |  |  |  | 1056 |   |   | y | y |  |
| Aldrin   | 206-215-8 | 309-00-2   | Aldrin (ISO)  | 206-215-8 | 309-00-2   |   |  |  |  | 1057 |   | y |   |   |  |
| Diuron   | 206-354-4 | 330-54-1   | Diuron (ISO)  | 206-354-4 | 330-54-1   | y |  |  |  | 1058 |   | y |   |   |  |
| Linuron  | 206-356-5 | 330-55-2   | Linuron (ISO)   | 206-356-5 | 330-55-2   |   |  |  |  | 1059 |   | y | y |   |  |
| Nickel carbonate   | 222-068-2 | 3333-67-3  | Nickel carbonate  | 222-068-2 | 3333-67-3  |   |  |  |  | 1060 | y | y | y | y |  |
| 3-(4-isopropylphenyl)-1,1-dimethylurea   | 251-835-4 | 34123-59-6 | 3-(4-Isopropylphenyl)-1,1-dimethylurea (Isoproturon - ISO)                                | 251-835-4 | 34123-59-6 |   |  |  |  | 1061 |   | y |   |   |  |
| 3-(3,5-dichlorophenyl)-2,4-dioxo-N-isopropylimidazolidine-1-carboxamide                  | 253-178-9 | 36734-19-7 | Iprodione   | 253-178-9 | 36734-19-7 |   |  |  |  | 1062 |   | y |   |   |  |
| 5-(2,4-dioxo-1,2,3,4-tetrahydropyrimidine)-3-fluoro-2-hydroxymethyltetrahydrofuran       | 415-360-8 | 41107-56-6 | 5-(2,4-Dioxo-1,2,3,4-tetrahydropyrimidine)-3-fluoro-2-hydroxymethyltetrahydrofuran        | 415-360-8 | 41107-56-6 | y |  |  |  | 1064 |   | y |   |   |  |
| 2',3'-Dideoxy-3'-fluorouridine   | 637-011-0 | 41107-56-6 | 5-(2,4-Dioxo-1,2,3,4-tetrahydropyrimidine)-3-fluoro-2-hydroxymethyltetrahydrofuran        | 415-360-8 | 41107-56-6 |   |  |  |  | 1064 |   |   |   |   |  |
| Crotonaldehyde   | 224-030-0 | 4170-30-3  | Crotonaldehyde  | 224-030-0 | 4170-30-3  | y |  |  |  | 1065 |   | y |   | y |  |
| Hexahydrocyclopenta[c]pyrrole-1-(1H)-ammonio-N-ethoxycarbonyl-N-(p-tolylsulfonyl)azanide | 418-350-1 | -          | Hexahydrocyclopenta(c)pyrrole-1-(1H)-ammonium N-ethoxycarbonyl-N-(p-tolylsulfonyl)azanide | 418-350-1 |            | y |  |  |  | 1066 | y | y |   | y |  |
| 4,4'-carbonimidoylbis[N,N-dimethylaniline]   | 207-762-5 | 492-80-8   | 4,4'-Carbonimidoylbis[N,N-dimethylaniline] and its salts                                  | 207-762-5 | 492-80-8   |   |  |  |  | 1067 |   | y |   | y |  |
| 2-methyl-4,6-dinitrophenol   | 208-601-1 | 534-52-1   | DNOC (ISO)  | 208-601-1 | 534-52-1   | y |  |  |  | 1068 | y | y |   | y |  |
| p-toluidinium chloride   | 208-740-8 | 540-23-8   | Toluidinium chloride  | 208-740-8 | 540-23-8   |   |  |  |  | 1069 | y | y |   | y |  |
| p-toluidine sulphate (1:1)   | 208-741-3 | 540-25-0   | Toluidine sulphate (1:1)  | 208-741-3 | 540-25-0   |   |  |  |  | 1070 | y | y |   | y |  |
| 2-(4-tert-butylphenyl)ethanol  | 410-020-5 | 5406-86-0  | 2-(4-tert-Butylphenyl)ethanol   | 410-020-5 | 5406-86-0  | y |  |  |  | 1071 |   |   | y | y |  |
| [No public or meaningful name is available]  | 680-290-9 | 5406-86-0  | 2-(4-tert-Butylphenyl)ethanol   | 410-020-5 | 5406-86-0  |   |  |  |  | 1071 |   |   |   |   |  |
| Fenthion   | 200-231-9 | 55-38-9    | Fenthion  | 200-231-9 | 55-38-9    |   |  |  |  | 1072 |   | y |   |   |  |
| Chlordane, pur   | 200-349-0 | 57-74-9    | Chlordane, pur  | 200-349-0 | 57-74-9    |   |  |  |  | 1073 |   | y |   |   |  |





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|--|-----------|-----------------------------------|--|------------|------------|---|--|--|--|---|--|--|--|--|--|--|--|--|--|------|
| 1-Ethyl-1-methylpyrrolidinium bromide  | 623-336-5 | 69227-51-6                        | 1-Ethyl-1-methylpyrrolidinium bromide                        |            | 69227-51-6 |   |  |  |  |   |  |  |  |  |  |  |  |  |  | 1091 |
| Monocrotophos  | 230-042-7 | 6923-22-4                         | Monocrotophos  | 230-042-7  | 6923-22-4  |   |  |  |  |   |  |  |  |  |  |  |  |  |  | 1092 |
| Nickel   | 231-111-4 | 7440-02-0                         | Nickel (Ni) <sup>8</sup> , Nickel, Nickel (Ni)               | 231-111-4, | 7440-02-0  | y |  |  |  | 8 |  |  |  |  |  |  |  |  |  | 1093 |
| Bromomethane   | 200-813-2 | 74-83-9                           | Bromomethane (Methyl bromide - ISO)                          | 200-813-2  | 74-83-9    | y |  |  |  |   |  |  |  |  |  |  |  |  |  | 1094 |
| Chloromethane  | 200-817-4 | 74-87-3                           | Chloromethane (Methyl chloride)                              | 200-817-4  | 74-87-3    | y |  |  |  |   |  |  |  |  |  |  |  |  |  | 1095 |
| Iodomethane  | 200-819-5 | 74-88-4                           | Iodomethane (Methyl iodide)                                  | 200-819-5  | 74-88-4    | y |  |  |  |   |  |  |  |  |  |  |  |  |  | 1096 |
| Bromoethane  | 200-825-8 | 74-96-4                           | Bromoethane (Ethyl bromide)                                  | 200-825-8  | 74-96-4    | y |  |  |  |   |  |  |  |  |  |  |  |  |  | 1097 |
| Heptachlor   | 200-962-3 | 76-44-8                           | Heptachlor   | 200-962-3  | 76-44-8    |   |  |  |  |   |  |  |  |  |  |  |  |  |  | 1098 |
| Fentin hydroxide   | 200-990-6 | 76-87-9                           | Fentin hydroxide   | 200-990-6  | 76-87-9    |   |  |  |  |   |  |  |  |  |  |  |  |  |  | 1099 |
| Nickel sulphate  | 232-104-9 | 7786-81-4, 10101-97-0, 10101-98-1 | Nickel sulphate  | 232-104-9  | 7786-81-4  | y |  |  |  |   |  |  |  |  |  |  |  |  |  | 1100 |
| 3,5,5-trimethylcyclohex-2-enone  | 201-126-0 | 78-59-1                           | 3,5,5-Trimethylcyclohex-2-enone (Isophorone)                 | 201-126-0  | 78-59-1    | y |  |  |  |   |  |  |  |  |  |  |  |  |  | 1101 |
| 2,3-dichloropropene  | 201-153-8 | 78-88-6                           | 2,3-Dichloropropene  | 201-153-8  | 78-88-6    | y |  |  |  |   |  |  |  |  |  |  |  |  |  | 1102 |
| butyl (R)-2-[4-(5-trifluoromethyl-2-pyridyloxy)phenoxy]propionate            | 616-669-2 | 79241-46-6                        | Fluazifop-P-butyl (ISO)                                      |            | 79241-46-6 |   |  |  |  |   |  |  |  |  |  |  |  |  |  | 1103 |
| (S)-2,3-dihydro-1H-indole-2-carboxylic acid                                  | 410-860-2 | 79815-20-6                        | (S)-2,3-Dihydro-1H-indole-2-carboxylic acid                  | 410-860-2  | 79815-20-6 | y |  |  |  |   |  |  |  |  |  |  |  |  |  | 1104 |
| 1H-Indole-2-carboxylic acid, 2,3-dihydro [S]                                 | 616-741-3 | 79815-20-6                        | (S)-2,3-Dihydro-1H-indole-2-carboxylic acid                  | 410-860-2  | 79815-20-6 |   |  |  |  |   |  |  |  |  |  |  |  |  |  | 1104 |
| Toxaphene  | 232-283-3 | 8001-35-2                         | Toxaphene  | 232-283-3  | 8001-35-2  |   |  |  |  |   |  |  |  |  |  |  |  |  |  | 1105 |
| (4-hydrazinophenyl)-N-methylmethanesulfonamide hydrochloride                 | 406-090-1 | 81880-96-8                        | (4-Hydrazinophenyl)-N-methylmethanesulfonamide hydrochloride | 406-090-1  | 81880-96-8 | y |  |  |  |   |  |  |  |  |  |  |  |  |  | 1106 |
| 1-phenylazo-2-naphthol   | 212-668-2 | 842-07-9                          | CI Solvent Yellow 14   | 212-668-2  | 842-07-9   | y |  |  |  |   |  |  |  |  |  |  |  |  |  | 1107 |
| Ethyl (RS)-3-(3,5-dichlorophenyl)-5-methyl-2,4-dioxoxazolidine-5-carboxylate | 282-714-4 | 84332-86-5                        | Chlozolinate   | 282-714-4  | 84332-86-5 |   |  |  |  |   |  |  |  |  |  |  |  |  |  | 1108 |
| Alkanes, C10-13, chloro  | 287-476-5 | 85535-84-8                        | Alkanes, C10-13, monochloro                                  | 287-476-5  | 85535-84-8 | y |  |  |  |   |  |  |  |  |  |  |  |  |  | 1109 |

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|--|-----------|------------|--|-----------|------------|---|--|--|--|--|----------|--|---|---|---|---|---|
| 2,4,6-trichlorophenol  | 201-795-9 | 88-06-2    | 2,4,6-Trichlorophenol  | 201-795-9 | 88-06-2    |   |  |  |  |  | 11<br>11 |  |   | y |   |   | y |
| Diethylcarbamoyl chloride  | 201-798-5 | 88-10-8    | Diethylcarbamoyl-chloride  | 201-798-5 | 88-10-8    | y |  |  |  |  | 11<br>12 |  |   | y |   |   | y |
| 1-vinyl-2-pyrrolidone  | 201-800-4 | 88-12-0    | 1-Vinyl-2-pyrrolidone  | 201-800-4 | 88-12-0    | y |  |  |  |  | 11<br>13 |  |   | y |   |   | y |
| α-n-butyl-α-(4-chlorophenyl)-1H-1,2,4-triazole-1-propanenitrile    | 410-400-0 | 88671-89-0 | Myclobutanil (ISO) (2-(4-chlorophenyl)-2-(1H-1,2,4-triazol-1-ylmethyl)hexanenitrile) | 410-400-0 | 88671-89-0 | y |  |  |  |  | 11<br>14 |  |   |   |   |   |   |
| 2-(4-chlorophenyl)-2-(1H-1,2,4-triazol-1-ylmethyl)hexanenitrile    | 618-198-8 | 88671-89-0 | Myclobutanil (ISO) (2-(4-chlorophenyl)-2-(1H-1,2,4-triazol-1-ylmethyl)hexanenitrile) | 410-400-0 | 88671-89-0 |   |  |  |  |  | 11<br>14 |  |   |   |   | y | y |
| Fentin acetate   | 212-984-0 | 900-95-8   | Fentin acetate   | 212-984-0 | 900-95-8   |   |  |  |  |  | 11<br>15 |  |   | y |   | y | y |
| Biphenyl-2-ylamine   | 201-990-9 | 90-41-5    | Biphenyl-2-ylamine   | 201-990-9 | 90-41-5    | y |  |  |  |  | 11<br>16 |  |   | y |   |   |   |
| trans-4-cyclohexyl-L-proline monohydrochloride                     | 419-160-1 | 90657-55-9 | Trans-4-cyclohexyl-L-proline monohydrochloride                                       | 419-160-1 | 90657-55-9 | y |  |  |  |  | 11<br>17 |  | y |   |   | y | y |
| L-Proline, 4-cyclohexyl-, hydrochloride (1:1), (4S)-               | 618-614-8 | 90657-55-9 | Trans-4-cyclohexyl-L-proline monohydrochloride                                       | 419-160-1 | 90657-55-9 |   |  |  |  |  | 11<br>17 |  |   |   |   |   |   |
| 2-methyl-m-phenylene diisocyanate                                  | 202-039-0 | 91-08-7    | 2-Methyl-m-phenylene diisocyanate (Toluene 2,6-diisocyanate)                         | 202-039-0 | 91-08-7    | y |  |  |  |  | 11<br>18 |  | y |   | y |   | y |
| 4-methyl-m-phenylene diisocyanate                                  | 209-544-5 | 584-84-9   | 4-Methyl-m-phenylene diisocyanate (Toluene 2,4-diisocyanate)                         | 209-544-5 | 584-84-9   | y |  |  |  |  | 11<br>19 |  | y |   | y |   | y |
| m-tolylidene diisocyanate  | 247-722-4 | 26471-62-5 | m-Tolylidene diisocyanate (Toluene diisocyanate)                                     | 247-722-4 | 26471-62-5 | y |  |  |  |  | 11<br>20 |  | y |   | y |   | y |
| Fuels, jet aircraft, coal solvent extn., hydrocracked hydrogenated | 302-694-3 | 94114-58-6 | Fuels, jet aircraft, coal solvent extn., hydrocracked hydrogenated                   | 302-694-3 | 94114-58-6 |   |  |  |  |  | 11<br>21 |  |   | y |   |   |   |
| Fuels, diesel, coal solvent extn., hydrocracked hydrogenated       | 302-695-9 | 94114-59-7 | Fuels, diesel, coal solvent extn., hydrocracked hydrogenated                         | 302-695-9 | 94114-59-7 |   |  |  |  |  | 11<br>22 |  |   | y |   |   |   |
| Pitch  | 263-072-4 | 61789-60-4 | Pitch, if it contains > 0,005 % w/w benzo[a]pyrene                                   | 263-072-4 | 61789-60-4 |   |  |  |  |  | 11<br>23 |  |   | y |   |   |   |
| Butanone oxime   | 202-496-6 | 96-29-7    | 2-Butanone oxime   | 202-496-6 | 96-29-7    | y |  |  |  |  | 11<br>24 |  | y |   | y |   | y |
| A mixture of: butan-2-one oxime;                                   | 406-930-7 | 96-29-7    | 2-Butanone oxime   | 202-496-6 | 96-29-7    | y |  |  |  |  | 11<br>24 |  | y |   |   |   |   |

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|---|-----------|-------------|---|-----------|------------|---|--|--|--|--|--|----------|---|---|--|---|---|--|
| syn-O,O'-di(butan-2-one oxime)diethoxysilane  |           |             |   |           |            |   |  |  |  |  |  |          |   |   |  |   |   |  |
| Hydrocarbons, C16-20, solvent-dewaxed hydrocracked paraffinic distn. residue  | 307-662-2 | 97675-88-2  | Hydrocarbons, C16-20, solvent-dewaxed hydrocracked paraffinic distn. Residue  | 307-662-2 | 97675-88-2 |   |  |  |  |  |  | 11<br>25 |   | y |  |   |   |  |
| α,α-dichlorotoluene   | 202-709-2 | 98-87-3     | α,α-Dichlorotoluene   | 202-709-2 | 98-87-3    | y |  |  |  |  |  | 11<br>26 |   | y |  | y |   |  |
|   |           |             | Mineral wool, with the exception of those specified elsewhere in this Annex; [Man-made vitreous (silicate)fibres with random orientation with alkaline oxide and alkali earth oxide (Na <sub>2</sub> O + K <sub>2</sub> O + CaO + MgO + BaO) content greater than 18 % by weight]     |           |            |   |  |  |  |  |  | 11<br>27 |   |   |  |   |   |  |
| Reaction product of: acetophenone, formaldehyde, cyclohexylamine, methanol and acetic acid  | 406-230-1 | -           | Reaction product of acetophenone, formaldehyde, cyclohexylamine, methanol and acetic acid   | 406-230-1 |            | y |  |  |  |  |  | 11<br>28 | y | y |  |   | y |  |
| Trisodium bis[N,Nη(7-acetamido-5'-nitro-3-sulfonato-naphthalene-2-azobenzene-1,2'-diolato-0',0')]chromate (III)   | 400-810-8 | 106084-79-1 | Trisodium bis(7-acetamido-2-(4-nitro-2-oxidophenylazo)-3-sulfonato-1-naphtholato)chromate(1-)   | 400-810-8 |            | y |  |  |  |  |  | 11<br>31 |   | y |  |   |   |  |
| A mixture of: 4-allyl-2,6-bis(2,3-epoxypropyl)phenol; 4-allyl-6-[3-[6-[3-[6-[3-(4-allyl-2,6-bis(2,3-epoxypropyl)phenoxy)-2-hydroxypropyl]-4-allyl-2-(2,3-epoxypropyl)phenoxy]-2-hydroxypropyl]-4-allyl-2-(2,3-epoxypropyl)phenoxy]-2-hydroxypropyl]-4-allyl-2-(2,3-epoxypropyl)phenol | 417-470-1 | -           | A mixture of: 4-allyl-2,6-bis(2,3-epoxypropyl)phenol, 4-allyl-6-(3-(6-(3-(6-(3-(4-allyl-2,6-bis(2,3-epoxypropyl)phenoxy)-2-hydroxypropyl)-4-allyl-2-(2,3-epoxypropyl)phenoxy)-2-hydroxypropyl)-4-allyl-2-(2,3-epoxypropyl)phenoxy)-2-hydroxypropyl)-4-allyl-2-(2,3-epoxypropyl)phenol | 417-470-1 |            | y |  |  |  |  |  | 11<br>32 | y | y |  |   |   |  |

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|--|-----------|-----------------------|---|-----------|-----------|---|--|--|--|--|--|--|--|--|--|--|--|----------|
| yl]-4-allyl-2-(2,3-epoxypropyl)phenoxy]-2-hydroxypropyl]-2-(2,3-epoxypropyl)phenol; 4-allyl-6-[3-(4-allyl-2,6-bis(2,3-epoxypropyl)phenoxy)-2-hydroxypropyl]-4-allyl-2-(2,3-epoxypropyl)phenoxy]-2-hydroxypropyl]-2-(2,3-epoxypropyl)phenol |           |                       | (2,3-epoxypropyl)phenoxy-2-hydroxypropyl]-2-(2,3-epoxypropyl)phenol, 4-allyl-6-(3-(4-allyl-2,6-bis(2,3-epoxypropyl)phenoxy)-2-hydroxypropyl)-2-(2,3-epoxypropyl)phenol and 4-allyl-6-(3-(6-(3-(4-allyl-2,6-bis(2,3-epoxypropyl)phenoxy)-2-hydroxypropyl)-4-allyl-2-(2,3-epoxypropyl)phenoxy)-2-hydroxypropyl)phenol |           |           |   |  |  |  |  |  |  |  |  |  |  |  |          |
| Saussurea lappa, ext.  | 290-278-1 | 8023-88-9, 90106-55-1 | Costus root oil (Saussurea lappa Clarke), when used as a fragrance ingredient   |           | 8023-88-9 |   |  |  |  |  |  |  |  |  |  |  |  | 11<br>33 |
| Costus root oil  | 639-571-1 | 8023-88-9             | Costus root oil (Saussurea lappa Clarke), when used as a fragrance ingredient   |           | 8023-88-9 |   |  |  |  |  |  |  |  |  |  |  |  | 11<br>33 |
| 7-ethoxy-4-methylcoumarin  | 201-721-5 | 87-05-8               | 7-Ethoxy-4-methylcoumarin, when used as a fragrance ingredient  | 201-721-5 | 87-05-8   |   |  |  |  |  |  |  |  |  |  |  |  | 11<br>34 |
| 3,4,5,6,7,8-hexahydro-2H-1-benzopyran-2-one  | 211-851-4 | 700-82-3              | Hexahydrocoumarin, when used as a fragrance ingredient  | 211-851-4 | 700-82-3  |   |  |  |  |  |  |  |  |  |  |  |  | 11<br>35 |
| Balsams, Peru  | 232-352-8 | 8007-00-9             | Peru balsam (INCI name: Myroxylon pereirae), when used as a fragrance ingredient, Myroxylon balsamum var. pereirae; extracts and distillates; Balsam Peru oil, absolute and anhydrol (Balsam Oil Peru)  | 232-352-8 | 8007-00-9 |   |  |  |  |  |  |  |  |  |  |  |  | 11<br>36 |
| Isobutyl nitrite   | 208-819-7 | 542-56-3              | Isobutyl nitrite  | 208-819-7 | 542-56-2  |   |  |  |  |  |  |  |  |  |  |  |  | 11<br>37 |
| Isoprene   | 201-143-3 | 78-79-5               | Isoprene (stabilized);  | 201-143-3 | 78-79-5   | y |  |  |  |  |  |  |  |  |  |  |  | 11<br>38 |

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|---|-----------|------------|--|-----------|------------|---|--|--|--|--|--|------|---|---|--|--|---|---|
|   |           |            | (2-methyl-1,3-butadiene)   |           |            |   |  |  |  |  |  |      |   |   |  |  |   |   |
| 1-bromopropane  | 203-445-0 | 106-94-5   | 1-Bromopropane ; n-Propyl bromide  | 203-445-0 | 106-94-5   | y |  |  |  |  |  | 1139 |   |   |  |  | y | y |
| 2-chlorobuta-1,3-diene  | 204-818-0 | 126-99-8   | Chloroprene (stabilized); (2-Chlorobuta-1,3-diene)   | 204-818-0 | 126-99-8   | y |  |  |  |  |  | 1140 |   | y |  |  |   | y |
| 1,2,3-trichloropropane  | 202-486-1 | 96-18-4    | 1,2,3-Trichloropropane   | 202-486-1 | 96-18-4    | y |  |  |  |  |  | 1141 |   | y |  |  | y |   |
| 1,2-dimethoxyethane   | 203-794-9 | 110-71-4   | Ethylene glycol dimethyl ether (EGDME)   | 203-794-9 | 110-71-4   | y |  |  |  |  |  | 1142 |   |   |  |  | y |   |
| Dinocap   | 254-408-0 | 39300-45-3 | Dinocap (ISO)  | 254-408-0 | 39300-45-3 |   |  |  |  |  |  | 1143 | y |   |  |  | y | y |
| Diaminotoluene  | 246-910-3 | 25376-45-8 | Diaminotoluene, technical product - mixture of [4-methyl-m-phenylenediamine] (4) and [2-methyl-m-phenylenediamine] (5) Methyl-phenylenediamine | 246-910-3 | 25376-45-8 | y |  |  |  |  |  | 1144 |   |   |  |  |   |   |
| α,α,α,4-tetrachlorotoluene  | 226-009-1 | 5216-25-1  | p-Chlorobenzotrichloride   | 226-009-1 | 5216-25-1  | y |  |  |  |  |  | 1145 |   | y |  |  | y | y |
| Diphenyl ether, octabromo derivative                              | 251-087-9 | 32536-52-0 | Diphenylether; octabromo derivative  | 251-087-9 | 32536-52-0 |   |  |  |  |  |  | 1146 |   |   |  |  | y |   |
| 1,2-bis(2-methoxyethoxy)ethane                                    | 203-977-3 | 112-49-2   | 1,2-bis(2-Methoxyethoxy)ethane; Triethylene glycol dimethyl ether (TEGDME)   | 203-977-3 | 112-49-2   | y |  |  |  |  |  | 1147 |   |   |  |  | y |   |
| Tetrahydrothiopyran-3-carboxaldehyde                              | 407-330-8 | 61571-06-0 | Tetrahydrothiopyran-3-carboxaldehyde   | 407-330-8 | 61571-06-0 | y |  |  |  |  |  | 1148 |   |   |  |  | y | y |
| 4,4'-bis(dimethylamino)benzophenone                               | 202-027-5 | 90-94-8    | 4,4'-bis(Dimethylamino)benzophenone (Michler's ketone)   | 202-027-5 | 90-94-8    |   |  |  |  |  |  | 1149 |   | y |  |  |   | y |
| Oxiranemethanol, 4-methylbenzenesulfonate, (S)-                   | 417-210-7 | 70987-78-9 | Oxiranemethanol, 4-methylbenzenesulfonate, (S)-  | 417-210-7 | 70987-78-9 | y |  |  |  |  |  | 1150 | y | y |  |  |   | y |
| (2S)-(+)-Glycidyl p-Toluenesulfonate                              | 627-364-9 | 70987-78-9 | Oxiranemethanol, 4-methylbenzenesulfonate, (S)-  | 417-210-7 | 70987-78-9 |   |  |  |  |  |  | 1150 |   |   |  |  |   |   |
| Dipentyl phthalate  | 205-017-9 | 131-18-0   | di-n-Pentyl phthalate [3]  | 205-017-9 | 131-18-0   |   |  |  |  |  |  | 1151 |   |   |  |  | y |   |
| Diisopentyl phthalate   | 210-088-4 | 605-50-5   | Diisopentylphthalate [4]   | 210-088-4 | 605-50-5   | y |  |  |  |  |  | 1151 |   |   |  |  | y |   |
| 1,2-Benzenedicarboxylic acid, dipentyl ester, branched and linear | 284-032-2 | 84777-06-0 | 1,2-Benzenedicarboxylic acid, dipentylester, branched and linear [1]   | 284-032-2 | 84777-06-0 |   |  |  |  |  |  | 1151 |   |   |  |  | y |   |

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|---|-----------|-------------|--|-----------|------------|---|--|--|--|----------|--|--|---|--|
|   |           |             | n-Pentyl-isopentylphthalate [2]  |           |            |   |  |  |  | 11<br>51 |  |  |   |  |
| Benzyl butyl phthalate  | 201-622-7 | 85-68-7     | Benzyl butyl phthalate (BBP)   | 201-622-7 | 85-68-7    | y |  |  |  | 11<br>52 |  |  | y |  |
| 1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters   | 271-084-6 | 68515-42-4  | 1,2-Benzenedicarboxylic acid, di-C7-11, branched and linear alkyl esters   | 271-084-6 | 68515-42-4 |   |  |  |  | 11<br>53 |  |  | y |  |
| A mixture of: disodium 4-(3-ethoxycarbonyl-4-(5-(3-ethoxycarbonyl-5-hydroxy-1-(4-sulfonatophenyl)pyrazol-4-yl)penta-2,4-dienylidene)-4,5-dihydro-5-oxopyrazol-1-yl)benzenesulfonate; trisodium 4-(3-ethoxycarbonyl-4-(5-(3-ethoxycarbonyl-5-oxido-1-(4-sulfonatophenyl)pyrazol-4-yl)penta-2,4-dienylidene)-4,5-dihydro-5-oxopyrazol-1-yl)benzenesulfonate | 402-660-9 | -           | A mixture of: disodium 4-(3-ethoxycarbonyl-4-(5-(3-ethoxycarbonyl-5-hydroxy-1-(4-sulfonatophenyl)pyrazol-4-yl)penta-2,4-dienylidene)-4,5-dihydro-5-oxopyrazol-1-yl)benzenesulfonate and trisodium 4-(3-ethoxycarbonyl-4-(5-(3-ethoxycarbonyl-5-oxido-1-(4-sulfonatophenyl)pyrazol-4-yl)penta-2,4-dienylidene)-4,5-dihydro-5-oxopyrazol-1-yl)benzenesulfonate | 402-660-9 |            | y |  |  |  | 11<br>54 |  |  | y |  |
| (methylenebis(4,1-phenylenazo(1-(3-(dimethylamino)propyl)-1,2-dihydro-6-hydroxy-4-methyl-2-oxopyridine-5,3-diy)))-1,1'-dipyridinium dichloride dihydrochloride  | 401-500-5 | 118658-99-4 | (Methylenebis(4,1-phenylenazo(1-(3-(dimethylamino)propyl)-1,2-dihydro-6-hydroxy-4-methyl-2-oxopyridine-5,3-diy))) -1,1'-dipyridinium dichloride dihydrochloride  | 401-500-5 |            | y |  |  |  | 11<br>55 |  |  | y |  |
| 2-[2-hydroxy-3-(2-chlorophenyl)carbamoyl-1-naphthylazo]-7-[2-hydroxy-3-(3-methylphenyl)carbamoyl-1-naphthylazo]fluoren-9-one  | 420-580-2 | 151798-26-4 | 2-[2-Hydroxy-3-(2-chlorophenyl)carbamoyl-1-naphthylazo]-7-[2-hydroxy-3-(3-methylphenyl)carbamoyl-1-naphthylazo]fluoren-9-one   | 420-580-2 |            | y |  |  |  | 11<br>56 |  |  | y |  |

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|--|-----------|-------------|---|------------|-------------|---|--|--|----|--|------|------|--|--|--|--|--|---|---|---|
| 1-naphthylazo]fluoren-9-one  |           |             |   |            |             |   |  |  |    |  |      |      |  |  |  |  |  |   |   |   |
| 2-(2,4-dichloro-5-prop-2-ynyloxyphenyl)-5,6,7,8-tetrahydro-1,2,4-triazolo[4,3-a]pyridin-3(2H)-one  | 620-425-0 | 68049-83-2  | Azafenidin  | 68049-83-2 |             |   |  |  |    |  | 1157 |      |  |  |  |  |  | y |   |   |
| 2,4,5-trimethylaniline   | 205-282-0 | 137-17-7    | 2,4,5-trimethylaniline, 2,4,5-Trimethylaniline [1], 2,4,5-Trimethylaniline  | 205-282-0, | 137-17-7    |   |  |  | 25 |  |      | 1158 |  |  |  |  |  | y | y |   |
| 2,4,5-trimethylaniline hydrochloride   | -         | 21436-97-5  | 2,4,5-Trimethylaniline hydrochloride [2]  | 21436-97-5 |             |   |  |  |    |  |      | 1158 |  |  |  |  |  | y |   |   |
| 4,4'-thiodianiline   | 205-370-9 | 139-65-1    | 4,4'-thiodianiline, 4,4'-Thiodianiline and its salts, 4,4'-Thiodianiline  | 205-370-9, | 139-65-1    |   |  |  | 23 |  |      | 1159 |  |  |  |  |  | y | y |   |
| 4,4'-oxydianiline  | 202-977-0 | 101-80-4    | 4,4'-oxydianiline , 4,4'-Oxydianiline (p-Aminophenyl ether) and its salts, 4,4'-Oxydianiline  | 202-977-0, | 101-80-4    | y |  |  | 21 |  |      | 1160 |  |  |  |  |  | y | y | y |
| N,N,N',N'-tetramethyl-4,4'-methylenedianiline  | 202-959-2 | 101-61-1    | N,N,N',N'-Tetramethyl-4,4'-methylenedianiline   | 202-959-2  | 101-61-1    |   |  |  |    |  |      | 1161 |  |  |  |  |  | y |   |   |
| 6-methoxy-m-toluidine  | 204-419-1 | 120-71-8    | 6-methoxy-m-toluidine, 6-Methoxy-m-toluidine; (p-Cresidine), 4-Methoxy-m-toluidine  | 204-419-1, | 120-71-8    | y |  |  | 13 |  |      | 1162 |  |  |  |  |  | y | y |   |
| 3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine   | 421-150-7 | 143860-04-2 | 3-Ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine  | 421-150-7  | 143860-04-2 | y |  |  |    |  |      | 1163 |  |  |  |  |  | y | y |   |
| Oxazolidine, 3-ethyl-2-methyl-2-(3-methylbutyl)-   | 620-792-7 | 143860-04-2 | 3-Ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine  | 421-150-7  | 143860-04-2 |   |  |  |    |  |      | 1163 |  |  |  |  |  |   |   |   |
| A mixture of: 1,3,5-tris(3-aminomethylphenyl)-1,3,5-(1H,3H,5H)-triazine-2,4,6-trione; a mixture of oligomers of 3,5-bis(3-aminomethylphenyl)-1-poly[3,5-bis(3- | 421-550-1 | -           | A mixture of: 1,3,5-tris(3-aminomethylphenyl)-1,3,5-(1H,3H,5H)-triazine-2,4,6-trione and a mixture of oligomers of 3,5-bis(3-aminomethylphenyl)-1-poly[3,5-bis(3- | 421-550-1  |             |   |  |  |    |  |      | 1164 |  |  |  |  |  | y | y | y |

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|---|-----------|-------------|---|------------|-------------|---|--|--|--|--|--|------|---|---|---|---|---|---|---|
| lphenyl)-1-poly[3,5-bis(3-aminomethylphenyl)-2,4,6-trioxo-1,3,5-(1H,3H,5H)-triazin-1-yl]-1,3,5-(1H,3H,5H)-triazine-2,4,6-trione |           |             | aminomethylphenyl)-2,4,6-trioxo-1,3,5-(1H,3H,5H)-triazin-1-yl]-1,3,5-(1H,3H,5H)-triazine-2,4,6-trione |            |             |   |  |  |  |  |  |      |   |   |   |   |   |   |   |
| 2-nitrotoluene  | 201-853-3 | 88-72-2     | 2-Nitrotoluene  | 201-853-3  | 88-72-2     | y |  |  |  |  |  | 1165 |   | y | y |   |   |   |   |
| Tributyl phosphate  | 204-800-2 | 126-73-8    | Tributyl phosphate  | 204-800-2  | 126-73-8    | y |  |  |  |  |  | 1166 |   | y |   | y |   |   |   |
| Naphthalene   | 202-049-5 | 91-20-3     | Naphthalene   | 202-049-5, | 91-20-3     | y |  |  |  |  |  | 1167 |   | y |   |   |   |   | y |
| Nonylphenol   | 246-672-0 | 25154-52-3  | Nonylphenol [1]   | 246-672-0  | 25154-52-3  |   |  |  |  |  |  | 1168 |   |   | y | y |   |   |   |
| Phenol, 4-nonyl-, branched  | 284-325-5 | 84852-15-3  | 4-Nonylphenol, branched [2]   | 284-325-5  | 84852-15-3  | y |  |  |  |  |  | 1168 |   |   | y | y |   |   |   |
| 1,1,2-trichloroethane   | 201-166-9 | 79-00-5     | 1,1,2-Trichloroethane   | 201-166-9  | 79-00-5     | y |  |  |  |  |  | 1169 |   | y |   |   |   |   |   |
| 3-chloropropene   | 203-457-6 | 107-05-1    | allyl chloride; (3-Chloropropene)   | 203-457-6  | 107-05-1    | y |  |  |  |  |  | 1172 |   | y |   |   | y |   |   |
| 1,4-dichlorobenzene   | 203-400-5 | 106-46-7    | 1,4-Dichlorobenzene; (p-Dichlorobenzene)  | 203-400-5  | 106-46-7    | y |  |  |  |  |  | 1173 |   | y |   |   | y |   |   |
| Bis(2-chloroethyl) ether  | 203-870-1 | 111-44-4    | bis(2-Chloroethyl) ether  | 203-870-1  | 111-44-4    | y |  |  |  |  |  | 1174 |   | y |   |   |   |   |   |
| Phenol  | 203-632-7 | 108-95-2    | Phenol  | 203-632-7, | 108-95-2    | y |  |  |  |  |  | 1175 |   | y |   |   | y | y |   |
| 4,4'-isopropylidenediphenol   | 201-245-8 | 80-05-7     | Bisphenol A (4,4'-Isopropylidenediphenol)   | 201-245-8  | 80-05-7     | y |  |  |  |  |  | 1176 | y |   |   | y | y |   |   |
| 1,3,5-trioxane  | 203-812-5 | 110-88-3    | Trioxymethylene (1,3,5-Trioxan)   | 203-812-5  | 110-88-3    | y |  |  |  |  |  | 1177 |   |   |   | y |   |   |   |
| Propargite  | 219-006-1 | 2312-35-8   | Propargite (ISO)  | 219-006-1  | 2312-35-8   | y |  |  |  |  |  | 1178 |   | y |   |   |   | y |   |
| 1-chloro-4-nitrobenzene   | 202-809-6 | 100-00-5    | 1-Chloro-4-nitrobenzene   | 202-809-6  | 100-00-5    | y |  |  |  |  |  | 1179 |   | y |   |   |   |   |   |
| Molinate  | 218-661-0 | 2212-67-1   | Molinate (ISO)  | 218-661-0  | 2212-67-1   |   |  |  |  |  |  | 1180 | y | y | y |   |   |   |   |
| cis-4-[3-(p-tert-butylphenyl)-2-methylpropyl]-2,6-dimethylmorpholine  | 266-719-9 | 67564-91-4  | Fenpropimorph (ISO)   | 266-719-9  | 67564-91-4  |   |  |  |  |  |  | 1181 |   |   |   | y | y |   |   |
| Methyl isocyanate   | 210-866-3 | 624-83-9    | Methyl isocyanate   | 210-866-3  | 624-83-9    |   |  |  |  |  |  | 1183 | y |   |   | y | y |   |   |
| N,N-dimethylanilinium tetrakis(pentafluorophenyl)borate   | 422-050-6 | 118612-00-3 | N,N-Dimethylanilinium tetrakis(pentafluorophenyl)borate   | 422-050-6  | 118612-00-3 | y |  |  |  |  |  | 1184 |   | y |   |   |   | y |   |
| [No public or meaningful name is available]   | 695-340-5 | 118612-00-3 | N,N-Dimethylanilinium tetrakis(pentafluorophenyl)borate   | 422-050-6  | 118612-00-3 |   |  |  |  |  |  | 1184 |   |   |   |   |   |   |   |
| O,O'-(ethenylmet  | 421-870-1 | 156145-66-3 | O,O'-(Ethenylmethy  | 421-870-1  |             | y |  |  |  |  |  | 1185 |   |   |   | y |   |   |   |



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|--|---------------|-----------------|---|---------------|-----------------|---|--|--|--|--|----------|--|---|---|--|---|--|--|
| hysilylene)d<br>i[(4-<br>methylpenta<br>n-2-<br>one)oxime]   |               |                 | lsilylene)<br>di[(4-<br>methylpenta<br>n-2-<br>one) oxime]  |               |                 |   |  |  |  |  |          |  |   |   |  |   |  |  |
| A 2:1<br>mixture of:<br>4-(7-<br>hydroxy-<br>2,4,4-<br>trimethyl-2-<br>chromanyl)r<br>esorcinol-4-<br>yl-tris(6-<br>diazo-5,6-<br>dihydro-5-<br>oxonaphthal<br>en-1-<br>sulfonate; 4-<br>(7-hydroxy-<br>2,4,4-<br>trimethyl-2-<br>chromanyl)r<br>esorcinol<br>bis(6-diazo-<br>5,6-dihydro-<br>5-<br>oxonaphthal<br>en-1-<br>sulfonate  | 414-<br>770-4 | 140698-<br>96-0 | A 2:1 mixture<br>of:<br>4-(7-hydroxy-<br>2,4,4-<br>trimethyl-2-<br>chromanyl)res<br>orcinol-4-yl-<br>tris (6-diazo-<br>5,6-dihydro-5-<br>oxonaphthalen<br>-1-sulfonate)<br>and 4-(7-<br>hydroxy-2,4,4-<br>trimethyl-2-<br>chromanyl)res<br>orcinolbis (6-<br>diazo-5,6-<br>dihydro-5-<br>oxonaphthalen<br>-1-sulfonate)   | 414-<br>770-4 | 140698-<br>96-0 | y |  |  |  |  | 11<br>86 |  | y |   |  |   |  |  |
| A mixture<br>of: reaction<br>product of<br>4,4'-<br>methylenebi<br>s[2-(4-<br>hydroxybenz<br>yl)-3,6-<br>dimethylphe<br>nol] and 6-<br>diazo-5,6-<br>dihydro-5-<br>oxo-<br>naphthalene<br>sulfonate<br>(1:2);<br>Reaction<br>product of<br>4,4'-<br>methylenebi<br>s[2-(4-<br>hydroxybenz<br>yl)-3,6-<br>dimethylphe<br>nol] and 6-<br>diazo-5,6-<br>dihydro-5-<br>oxo-<br>naphthalene<br>sulfonate<br>(1:3) | 417-<br>980-4 | 157321-<br>59-0 | A mixture of:<br>reaction<br>product of<br>4,4'-<br>methylenebis[<br>2-(4-<br>hydroxybenzyl<br>)-3,6-<br>dimethylpheno<br>l] and 6-diazo-<br>5,6-dihydro-5-<br>oxo-<br>naphthalenesu<br>lfonate (1:2)<br>and reaction<br>product of<br>4,4'-<br>methylenebis[<br>2-(4-<br>hydroxybenzyl<br>)-3,6-<br>dimethylpheno<br>l] and 6-<br>diazo-5,6-<br>dihydro-5-<br>oxonaphthalen<br>esulfonate<br>(1:3) | 417-<br>980-4 |                 | y |  |  |  |  | 11<br>87 |  | y |   |  |   |  |  |
| [4-[a-[4-<br>(dimethylam<br>ino)phenyl]b<br>enzylidene]c<br>yclohexa-<br>2,5-dien-1-<br>ylidene]dime<br>thylammoni<br>um chloride  | 209-<br>322-8 | 569-64-<br>2    | Malachite<br>green<br>hydrochloride<br>[1]  | 209-<br>322-8 | 569-64-<br>2    |   |  |  |  |  | 11<br>88 |  |   | y |  | y |  |  |
| Methanami<br>um, N-[4-<br>[[4-<br>(dimethylam<br>ino)phenyl]p<br>henylmethyl<br>ene]-2,5-<br>cyclohexadie<br>n-1-  | 241-<br>922-5 | 18015-<br>76-4  | Malachite<br>green oxalate<br>[2]   | 241-<br>922-5 | 18015-<br>76-4  | y |  |  |  |  | 11<br>88 |  |   |   |  |   |  |  |

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|--|-----------|-------------|---|-----------|-------------|---|--|--|--|--|--|------|---|--|--|--|--|-----|
| ylidene]-N-methyl-, ethanedioate   |           |             |   |           |             |   |  |  |  |  |  |      |   |  |  |  |  |     |
| 1-(4-chlorophenyl)-4,4-dimethyl-3-(1,2,4-triazol-1-ylmethyl)pentan-3-ol  | 403-640-2 | 107534-96-3 | 1-(4-Chlorophenyl)-4,4-dimethyl-3-(1,2,4-triazol-1-ylmethyl)pentan-3-ol   | 403-640-2 | 107534-96-3 | y |  |  |  |  |  | 1189 |   |  |  |  |  | y   |
| (RS)-1-(4-chlorophenyl)-4,4-dimethyl-3-[1,2,4]triazol-1-ylmethylpentan-3-ol  | 600-834-0 | 107534-96-3 | 1-(4-Chlorophenyl)-4,4-dimethyl-3-(1,2,4-triazol-1-ylmethyl)pentan-3-ol   | 403-640-2 | 107534-96-3 |   |  |  |  |  |  | 1189 |   |  |  |  |  |     |
| 5-(3-butyryl-2,4,6-trimethylphenyl)-2-[1-(ethoxyimino)propyl]-3-hydroxycyclohex-2-en-1-one   | 414-790-3 | 138164-12-2 | 5-(3-Butyryl-2,4,6-trimethylphenyl)-2-[1-(ethoxyimino)propyl]-3-hydroxycyclohex-2-en-1-one  | 414-790-3 | 138164-12-2 | y |  |  |  |  |  | 1190 |   |  |  |  |  | y y |
| 5-(butyryl-2,4,6-trimethylphenyl)-2-[1-(ethoxyimino)propyl]-3-hydroxycyclohex-1-one  | 604-064-6 | 138164-12-2 | 5-(3-Butyryl-2,4,6-trimethylphenyl)-2-[1-(ethoxyimino)propyl]-3-hydroxycyclohex-2-en-1-one  | 414-790-3 | 138164-12-2 |   |  |  |  |  |  | 1190 |   |  |  |  |  |     |
| trans-4-phenyl-L-proline   | 416-020-1 | 96314-26-0  | trans-4-Phenyl-L-proline  | 416-020-1 | 96314-26-0  | y |  |  |  |  |  | 1191 | y |  |  |  |  | y   |
| A mixture of: 5-[(4-[(7-amino-1-hydroxy-3-sulfo-2-naphthyl)azo]-2,5-diethoxyphenyl)azo]-2-[(3-phosphonophenyl)azo]benzoic acid; 5-[(4-[(7-amino-1-hydroxy-3-sulfo-2-naphthyl)azo]-2,5-diethoxyphenyl)azo]-3-[(3-phosphonophenyl)azo]benzoic acid | 418-230-9 | 163879-69-4 | A mixture of: 5-[(4-[(7-amino-1-hydroxy-3-sulfo-2-naphthyl)azo]-2,5-diethoxyphenyl)azo]-2-[(3-phosphonophenyl)azo]benzoic acid and 5-[(4-[(7-amino-1-hydroxy-3-sulfo-2-naphthyl)azo]-2,5-diethoxyphenyl)azo]-3-[(3-phosphonophenyl)azo]benzoic acid | 418-230-9 | 163879-69-4 | y |  |  |  |  |  | 1193 | y |  |  |  |  | y   |
| 2-[4-(2-ammoniopylamino)-6-[4-hydroxy-3-(5-methyl-2-methoxy-4-sulfamoylphenylazo)-2-sulfonatonaphth-7-   | 424-260-3 | 784157-49-9 | 2-[4-(2-Ammoniopylamino)-6-[4-hydroxy-3-(5-methyl-2-methoxy-4-sulfamoylphenylazo)-2-sulfonatonaphth-7-  | 424-260-3 |             |   |  |  |  |  |  | 1194 |   |  |  |  |  | y y |

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|--|-----------|-------------|--|------------|-------------|---|----|--|--|--|------|--|---|--|--|--|--|---|
| ylamino]-1,3,5-triazin-2-ylamino}-2-aminopropyl formate                                  |           |             | 2-aminopropyl formate  |            |             |   |    |  |  |  |      |  |   |  |  |  |  |   |
| 5-nitro-o-toluidine  | 202-765-8 | 99-55-8     | 5-nitro-o-toluidine, 5-Nitro-o-toluidine [1], 5-Nitro-o-toluidine      | 202-765-8, | 99-55-8     | y | 20 |  |  |  | 1195 |  | y |  |  |  |  | y |
| 5-nitro-o-toluidinium chloride   | 256-960-8 | 51085-52-0  | 5-Nitro-o-toluidine hydrochloride [2]                                  | 256-960-8  | 51085-52-0  |   |    |  |  |  | 1195 |  | y |  |  |  |  |   |
| 1-(1-naphthylmethyl)quinolinium chloride   | 406-220-7 | 65322-65-8  | 1-(1-Naphthylmethyl)quinolinium chloride                               | 406-220-7  | 65322-65-8  | y |    |  |  |  | 1196 |  | y |  |  |  |  | y |
| (R)-5-bromo-3-(1-methyl-2-pyrrolidinylmethyl)-1H-indole                                  | 422-390-5 | 143322-57-0 | (R)-5-Bromo-3-(1-methyl-2-pyrrolidinylmethyl)-1H-indole                | 422-390-5  | 143322-57-0 | y |    |  |  |  | 1197 |  | y |  |  |  |  | y |
|  |           |             | (R)-5-Bromo-3-(1-methyl-2-pyrrolidinylmethyl)-1H-indole                | 422-390-5  | 143322-57-0 |   |    |  |  |  | 1197 |  |   |  |  |  |  |   |
| (E)-4,5-dihydro-6-methyl-4-(3-pyridylmethylenamino)-1,2,4-triazin-3(2H)-one              | 602-927-1 | 123312-89-0 | Pymetrozine (ISO)  |            | 123312-89-0 |   |    |  |  |  | 1198 |  | y |  |  |  |  |   |
| 3-[2,4-dichloro-5-(2-propynyloxy)phenyl]-5-(1,1-dimethylethyl)-1,3,4-oxadiazol-2(3H)-one | 254-637-6 | 39807-15-3  | Oxadiargyl (ISO)   | 254-637-6  | 39807-15-3  |   |    |  |  |  | 1199 |  |   |  |  |  |  | y |
| Chlorotoluron  | 239-592-2 | 15545-48-9  | Chlorotoluron (3-(3-chloro-p-tolyl)-1,1-dimethylurea)                  | 239-592-2  | 15545-48-9  |   |    |  |  |  | 1200 |  | y |  |  |  |  | y |
| N-[2-(3-acetyl-5-nitrothiophen-2-ylazo)-5-diethylamino phenyl]acetamide                  | 416-860-9 | 777891-21-1 | N-[2-(3-Acetyl-5-nitrothiophen-2-ylazo)-5-diethylaminophenyl]acetamide | 416-860-9  |             | y |    |  |  |  | 1201 |  | y |  |  |  |  | y |
| 1,3-bis(vinylsulfonylacetamido)propane   | 428-350-3 | 93629-90-4  | 1,3-bis(Vinylsulfonylacetamido)propane                                 | 428-350-3  | 93629-90-4  | y |    |  |  |  | 1202 |  | y |  |  |  |  | y |
| p-phenetidine  | 205-855-5 | 156-43-4    | p-Phenetidine (4-Ethoxyaniline)  | 205-855-5  | 156-43-4    | y |    |  |  |  | 1203 |  | y |  |  |  |  | y |
| m-phenylenediamine   | 203-584-7 | 108-45-2    | m-Phenylenediamine and its salts                                       | 203-584-7  | 108-45-2    | y |    |  |  |  | 1204 |  | y |  |  |  |  | y |
| Residues (coal tar), creosote oil distn.   | 295-506-3 | 92061-93-3  | Residues (coal tar), creosote oil distn., if it contains > 0,005 % w/w | 295-506-3  | 92061-93-3  |   |    |  |  |  | 1205 |  | y |  |  |  |  |   |

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|--|-----------|-------------|---|-----------|-------------|---|--|--|--|--|--|------|--|---|--|--|--|--|
|  |           |             | benzo[a]pyrene  |           |             |   |  |  |  |  |  |      |  |   |  |  |  |  |
| Creosote oil, acenaphthene fraction            | 292-605-3 | 90640-84-9  | Creosote oil, acenaphthene fraction, wash oil, if it contains > 0,005 % w/w benzo[a]pyrene                        | 292-605-3 | 90640-84-9  | y |  |  |  |  |  | 1206 |  | y |  |  |  |  |
| Creosote oil                                   | 263-047-8 | 61789-28-4  | Creosote oil, if it contains > 0,005 % w/w benzo[a]pyrene   | 263-047-8 | 61789-28-4  | y |  |  |  |  |  | 1207 |  | y |  |  |  |  |
| Creosote                                       | 232-287-5 | 8001-58-9   | Creosote, if it contains > 0,005 % w/w benzo[a]pyrene   | 232-287-5 | 8001-58-9   |   |  |  |  |  |  | 1208 |  | y |  |  |  |  |
| Creosote oil, high-boiling distillate          | 274-565-9 | 70321-79-8  | Creosote oil, high-boiling distillate, wash oil, if it contains > 0,005 % w/w benzo[a]pyrene                      | 274-565-9 | 70321-79-8  |   |  |  |  |  |  | 1209 |  | y |  |  |  |  |
| Extract residues (coal), creosote oil acid     | 310-189-4 | 122384-77-4 | Extract residues (coal), creosote oil acid, wash oil extract residue, if it contains > 0,005 % w/w benzo[a]pyrene | 310-189-4 | 122384-77-4 |   |  |  |  |  |  | 1210 |  | y |  |  |  |  |
| Creosote oil, low-boiling distillate           | 274-566-4 | 70321-80-1  | Creosote oil, low-boiling distillate, wash oil, if it contains > 0,005 % w/w benzo[a]pyrene                       | 274-566-4 | 70321-80-1  |   |  |  |  |  |  | 1211 |  | y |  |  |  |  |
| 6-methoxy pyridine-2,3-diamine dihydrochloride | 303-358-9 | 94166-62-8  | 6-Methoxy-2,3-Pyridinediamine and its HCl salt, when used as a substance in hair dye products                     | 303-358-9 | 94166-62-8  |   |  |  |  |  |  | 1212 |  |   |  |  |  |  |
| Naphthalene-2,3-diol                           | 202-156-7 | 92-44-4     | 2,3-Naphthalenediol, when used as a substance in hair dye products  | 202-156-7 | 92-44-4     |   |  |  |  |  |  | 1213 |  |   |  |  |  |  |
| 2,4-Diaminodiphenylamine                       | 680-434-0 | 136-17-4    | 2,4-Diaminodiphenylamine, when used as a substance in hair dye products   |           | 136-17-4    |   |  |  |  |  |  | 1214 |  |   |  |  |  |  |
|  |           |             | 2,6-Bis(2-Hydroxyethoxy)-3,5-Pyridinediamine and its HCl salt, when used as a substance in hair dye products      |           | 117907-42-3 |   |  |  |  |  |  | 1215 |  |   |  |  |  |  |

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|------------------------|-----------|-----------|---|-----------|-------------|---|--|--|--|--|----------|--|--|--|--|--|
|                        |           |           | 2-Methoxymethyl-p-Aminophenol and its HCl salt, when used as a substance in hair dye products           |           | 135043-65-1 |   |  |  |  |  | 12<br>16 |  |  |  |  |  |
|                        |           |           | 2-Methoxymethyl-p-Aminophenol and its HCl salt, when used as a substance in hair dye products           |           | 29785-47-5  |   |  |  |  |  | 12<br>16 |  |  |  |  |  |
|                        |           |           | 4,5-Diamino-1-Methylpyrazole and its HCl salt, when used as a substance in hair dye products            |           | 20055-01-0  |   |  |  |  |  | 12<br>17 |  |  |  |  |  |
|                        |           |           | 4,5-Diamino-1-Methylpyrazole and its HCl salt, when used as a substance in hair dye products            |           | 21616-59-1  |   |  |  |  |  | 12<br>17 |  |  |  |  |  |
|                        |           |           | 4,5-Diamino-1-(4-Chlorophenyl)Methyl-1H-Pyrazole Sulfate, when used as a substance in hair dye products |           | 163183-00-4 |   |  |  |  |  | 12<br>18 |  |  |  |  |  |
| 2-amino-4-chlorophenol | 202-458-9 | 95-85-2   | 4-Chloro-2-Aminophenol, when used as a substance in hair dye products                                   | 202-458-9 | 95-85-2     | y |  |  |  |  | 12<br>19 |  |  |  |  |  |
| 4-hydroxyindole        | 219-177-2 | 2380-94-1 | 4-Hydroxyindole, when used as a substance in hair dye products  | 219-177-2 | 2380-94-1   |   |  |  |  |  | 12<br>20 |  |  |  |  |  |
|                        |           |           | 4-Methoxytoluene-2,5-Diamine and its HCl salt, when used as a substance in hair dye products            |           | 56496-88-9  |   |  |  |  |  | 12<br>21 |  |  |  |  |  |
|                        |           |           | 5-Amino-4-Fluoro-2-Methylphenol Sulfate, when used as a substance in hair dye products                  |           | 163183-01-5 |   |  |  |  |  | 12<br>22 |  |  |  |  |  |

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|---|-----------|------------|---|------------|------------------------|---|--|--|--|--|----------|--|--|--|--|--|---|
| 3-diethylamino phenol                                 | 202-090-9 | 91-68-9    | N,N-Diethyl-m-Aminophenol, when used as a substance in hair dye products                              | 202-090-9  | 91-68-9                | y |  |  |  |  | 12<br>23 |  |  |  |  |  |   |
| Bis[(diethylhydroxyphenyl)ammonium] sulphate          | 269-478-8 | 68239-84-9 | N,N-Diethyl-m-Aminophenol, when used as a substance in hair dye products                              | 269-478-8  | 68239-84-9             |   |  |  |  |  | 12<br>23 |  |  |  |  |  |   |
|   |           |            | N,N-Dimethyl-2,6-Pyridinediamine and its HCl salt, when used as a substance in hair dye products      |            |                        |   |  |  |  |  | 12<br>24 |  |  |  |  |  |   |
|   |           |            | N-Cyclopentyl-m-Aminophenol, when used as a substance in hair dye products                            |            | 104903-49-3            |   |  |  |  |  | 12<br>25 |  |  |  |  |  |   |
| N-(2-methoxyethyl)benzene-1,4-diamine dihydrochloride | 276-723-2 | 72584-59-9 | N-(2-Methoxyethyl)-p-phenylenediamine and its HCl salt, when used as a substance in hair dye products | 276-723-2  | 72584-59-9, 66566-48-1 |   |  |  |  |  | 12<br>26 |  |  |  |  |  |   |
|   |           |            | 2,4-Diamino-5-methylphenetol and its HCl salt, when used as a substance in hair dye products          |            | 113715-25-6            |   |  |  |  |  | 12<br>27 |  |  |  |  |  |   |
| Naphthalene-1,7-diol                                  | 209-383-0 | 575-38-2   | 1,7-Naphthalenediol, when used as a substance in hair dye products                                    | 209-383-0  | 575-38-2               |   |  |  |  |  | 12<br>28 |  |  |  |  |  |   |
| 3,4-diaminobenzoic acid                               | 210-577-2 | 619-05-6   | 3,4-Diaminobenzoic acid, when used as a substance in hair dye products                                | 210-577-2  | 619-05-6               |   |  |  |  |  | 12<br>29 |  |  |  |  |  |   |
| Phenol, 4-amino-2-(aminomethyl)-                      | 616-686-5 | 79352-72-0 | 2-Aminomethyl-p-aminophenol and its HCl salt, when used as a substance in hair dye products           |            | 79352-72-0             |   |  |  |  |  | 12<br>30 |  |  |  |  |  |   |
| 1-[(2-methoxyphenyl)azo]-2-naphthol                   | 214-968-9 | 1229-55-6  | Solvent Red 1 (CI 12150), when used as a substance in hair dye products, Solvent red 1                | 214-968-9, | 1229-55-6              | y |  |  |  |  | 12<br>31 |  |  |  |  |  | y |

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|--|-----------|-------------|--|-----------|-------------|---|---|--|--|--|--|--|--|--|--|--|--|--|----------|
| Sodium 4-[[3-[(dimethylphenyl)azo]-2,4-dihydroxyphenyl]azobenzenesulphonate                          | 215-296-9 | 1320-07-6   | Acid Orange 24 (CI 20170), when used as a substance in hair dye products                       | 215-296-9 | 1320-07-6   |   |   |  |  |  |  |  |  |  |  |  |  |  | 12<br>32 |
| Sodium 6-hydroxy-5-(4-phenylazophenylazo)napthalene-2,4-disulphonate                                 | 226-502-1 | 5413-75-2   | Acid Red 73 (CI 27290), when used as a substance in hair dye products                          | 226-502-1 | 5413-75-2   |   |   |  |  |  |  |  |  |  |  |  |  |  | 12<br>33 |
|  |           |             | PEG-3,2',2'-di-p-Phenylenediamine  |           | 144644-13-3 |   |   |  |  |  |  |  |  |  |  |  |  |  | 12<br>34 |
| 6-nitro-ortho-toluidine  | 209-329-6 | 570-24-1    | 6-Nitro-ortho-Toluidine  | 209-329-6 | 570-24-1    |   |   |  |  |  |  |  |  |  |  |  |  |  | 12<br>35 |
|  |           |             | HC Yellow No 11  |           | 73388-54-2  |   |   |  |  |  |  |  |  |  |  |  |  |  | 12<br>36 |
|  |           |             | HC Orange No 3   |           | 81612-54-6  |   |   |  |  |  |  |  |  |  |  |  |  |  | 12<br>37 |
| 2-[[4-[bis(2-hydroxyethyl)amino]phenyl]amino]-5-[(2-hydroxyethyl)amino]cyclohexa-2,5-diene-1,4-dione | 257-687-7 | 52136-25-1  | HC Green No 1  | 257-687-7 | 52136-25-1  |   |   |  |  |  |  |  |  |  |  |  |  |  | 12<br>38 |
| 1-[(3-aminopropyl)amino]anthraquinone, monohydrochloride   | 306-778-0 | 97404-14-3  | HC Red No 8 and its salts  | 306-778-0 | 97404-14-3  |   |   |  |  |  |  |  |  |  |  |  |  |  | 12<br>39 |
|  |           |             | HC Red No 8 and its salts  |           | 13556-29-1  |   |   |  |  |  |  |  |  |  |  |  |  |  | 12<br>39 |
| 1,2,3,4-tetrahydro-6-nitroquinoxaline  | 414-270-6 | 41959-35-7  | Tetrahydro-6-nitroquinoxaline and its salts  |           | 41959-35-7  |   |   |  |  |  |  |  |  |  |  |  |  |  | 12<br>40 |
|  |           |             | Tetrahydro-6-nitroquinoxaline and its salts  |           | 158006-54-3 |   |   |  |  |  |  |  |  |  |  |  |  |  | 12<br>40 |
|  |           |             | Tetrahydro-6-nitroquinoxaline and its salts  |           | 73855-45-5  |   |   |  |  |  |  |  |  |  |  |  |  |  | 12<br>40 |
| 1-amino-4-hydroxyanthraquinone   | 204-163-0 | 116-85-8    | Disperse Red 15, except as impurity in Disperse Violet 1                                       | 204-163-0 | 116-85-8    |   |   |  |  |  |  |  |  |  |  |  |  |  | 12<br>41 |
| 4-amino-3-fluorophenol   | 402-230-0 | 399-95-1    | 4-amino-3-fluorophenol, 4-Amino-3-fluorophenol   | 402-230-0 | 399-95-1    | y | 2 |  |  |  |  |  |  |  |  |  |  |  | 12<br>42 |
| 4-Amino-3-fluorophenol   | 640-328-7 | 399-95-1    | 4-amino-3-fluorophenol, 4-Amino-3-fluorophenol   | 402-230-0 | 399-95-1    |   | 2 |  |  |  |  |  |  |  |  |  |  |  | 12<br>42 |
| N,N'-dihexadecyl-N,N'-bis(2-hydroxyethyl)propanediamide  | 422-560-9 | 149591-38-8 | N,N'-dihexadecyl-N,N'-bis(2-hydroxyethyl)propanediamide<br>Bishydroxyethyl Biscetyl Malonamide | 422-560-9 | 149591-38-8 | y |   |  |  |  |  |  |  |  |  |  |  |  | 12<br>43 |

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|                                      |           |                     |  |           |            |  |  |  |  |  |  |  |  |  |  |  |  |  |          |
|--------------------------------------|-----------|---------------------|--|-----------|------------|--|--|--|--|--|--|--|--|--|--|--|--|--|----------|
| Toluene-2,4,5-triol                  | 214-390-7 | 1124-09-0           | 1-Methyl-2,4,5-trihydroxybenzene and its salts, when used as a substance in hair dye products          | 214-390-7 | 1124-09-0  |  |  |  |  |  |  |  |  |  |  |  |  |  | 12<br>44 |
| 6-hydroxy-4-methyl-2-pyridone        | 225-108-7 | 4664-16-8           | 2,6-Dihydroxy-4-methylpyridine and its salts, when used as a substance in hair dye products            | 225-108-7 | 4664-16-8  |  |  |  |  |  |  |  |  |  |  |  |  |  | 12<br>45 |
| 2,3-dihydro-1,4-benzodioxin-5-ol     | 233-639-0 | 10288-36-5          | 5-Hydroxy-1,4-benzodioxane and its salts, when used as a substance in hair dye products                | 233-639-0 | 10288-36-5 |  |  |  |  |  |  |  |  |  |  |  |  |  | 12<br>46 |
| 3,4-(methylenedioxy)phenol           | 208-561-5 | 533-31-3            | 3,4-Methylenedioxyphenol and its salts, when used as a substance in hair dye products                  | 208-561-5 | 533-31-3   |  |  |  |  |  |  |  |  |  |  |  |  |  | 12<br>47 |
| 3,4-(methylenedioxy)aniline          | 238-161-6 | 14268-66-7          | 3,4-Methylenedioxyaniline and its salts, when used as a substance in hair dye products                 | 238-161-6 | 14268-66-7 |  |  |  |  |  |  |  |  |  |  |  |  |  | 12<br>48 |
| Hydroxyl-2-pyridone                  | 212-506-0 | 822-89-9            | Hydroxypyridone and its salts, when used as a substance in hair dye products                           | 212-506-0 | 822-89-9   |  |  |  |  |  |  |  |  |  |  |  |  |  | 12<br>49 |
| 2-(4-Amino-3-nitrophenoxy)-1-ethanol | 621-658-0 | 50982-74-6          | 3-Nitro-4-aminophenoxy ethanol and its salts, when used as a substance in hair dye products            |           | 50982-74-6 |  |  |  |  |  |  |  |  |  |  |  |  |  | 12<br>50 |
| 2-methoxy-4-nitrophenol              | 221-839-0 | 3251-56-7           | 2-methoxy-4-nitrophenol (4-Nitroguaiacol) and its salts, when used as a substance in hair dye products | 221-839-0 | 3251-56-7  |  |  |  |  |  |  |  |  |  |  |  |  |  | 12<br>51 |
| C.I. Acid Black 131                  | 601-932-6 | 12219-01-1          | CI Acid Black 131 and its salts, when used as a substance in hair dye products                         |           | 12219-01-1 |  |  |  |  |  |  |  |  |  |  |  |  |  | 12<br>52 |
| Phloroglucinol                       | 203-611-2 | 108-73-6, 6099-90-7 | 1,3,5-Trihydroxybenzene (Phloroglucinol) and its salts, when used as a substance in hair dye products  | 203-611-2 | 108-73-6   |  |  |  |  |  |  |  |  |  |  |  |  |  | 12<br>53 |



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|--|-----------|-----------|---|-----------|-------------|---|--|--|--|--|------|---|--|--|--|--|---|
| Benzene-1,2,4-triyl triacetate                                 | 210-327-2 | 613-03-6  | 1,2,4-Benzenetriacetate and its salts, when used as a substance in hair dye products  | 210-327-2 | 613-03-6    |   |  |  |  |  | 1254 |   |  |  |  |  |   |
|  |           |           | Ethanol, 2,2'-iminobis-, reaction products with epichlorohydrin and 2-nitro-1,4-benzenediamine (HC Blue No. 5) and its salts, when used as a substance in hair dye products |           | 158571-58-5 |   |  |  |  |  | 1255 |   |  |  |  |  |   |
|  |           |           | Ethanol, 2,2'-iminobis-, reaction products with epichlorohydrin and 2-nitro-1,4-benzenediamine (HC Blue No. 5) and its salts, when used as a substance in hair dye products |           | 68478-64-8  |   |  |  |  |  | 1255 |   |  |  |  |  |   |
|  |           |           | N-Methyl-1,4-diaminoanthraquinone, reaction products with epichlorohydrin and monoethanolamine (HC Blue No. 4) and its salts, when used as a substance in hair dye products |           | 158571-57-4 |   |  |  |  |  | 1256 |   |  |  |  |  |   |
| Sulphanilic acid   | 204-482-5 | 121-57-3  | 4-Aminobenzene sulfonic acid (Sulfanilic acid) and its salts, when used as a substance in hair dye products   | 204-482-5 | 121-57-3    | y |  |  |  |  | 1257 | y |  |  |  |  | y |
| Sodium sulphanilate  | 208-208-5 | 515-74-2  | 4-Aminobenzene sulfonic acid (Sulfanilic acid) and its salts, when used as a substance in hair dye products   | 208-208-5 | 515-74-2    | y |  |  |  |  | 1257 |   |  |  |  |  |   |
| Disodium 3,3'-[sulphonylbis((2-nitro-p-phenylene)imino)]bis(6- | 228-922-0 | 6373-79-1 | 3,3'-(Sulfonylbis(2-nitro-4,1-phenylene)imino)bis(6-phenylamino)  | 228-922-0 | 6373-79-1   |   |  |  |  |  | 1258 |   |  |  |  |  |   |

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|---|-----------|------------|--|------------|------------------------|---|--|--|--|--|--|--|--|--|--|--|--|------------------|
| anilinobenzenesulphonate]   |           |            | ) benzenesulphonic acid and its salts, when used as a substance in hair dye products   |            |                        |   |  |  |  |  |  |  |  |  |  |  |  |                  |
| 3(or5)-[[4-(benzylmethylamino)phenyl]azo]-1,2-(or1,4)-dimethyl-1H-1,2,4-triazolium bromide      | 289-660-0 | 89959-98-8 | 3(or5)-((4-(Benzylmethylamino)phenyl)azo)-1,2-(or1,4)-dimethyl-1H-1,2,4-triazolium and its salts, when used as a substance in hair dye products            | 289-660-0  | 89959-98-8, 12221-69-1 |   |  |  |  |  |  |  |  |  |  |  |  | 12<br>59         |
| Basic Red 46  | 602-156-0 | 12221-69-1 | 3(or5)-((4-(Benzylmethylamino)phenyl)azo)-1,2-(or1,4)-dimethyl-1H-1,2,4-triazolium and its salts, when used as a substance in hair dye products            | 289-660-0  | 12221-69-1             |   |  |  |  |  |  |  |  |  |  |  |  | 12<br>59         |
| 2,2'-[[3-chloro-4-[(2,6-dichloro-4-nitrophenyl)azo]phenyl]imino]bisethanol                      | 245-604-7 | 23355-64-8 | 2,2'-((3-Chloro-4-((2,6-dichloro-4-nitrophenyl)azo)phenyl)imino)bisethanol (Disperse Brown 1) and its salts, when used as a substance in hair dye products | 245-604-7  | 23355-64-8             |   |  |  |  |  |  |  |  |  |  |  |  | 12<br>60         |
| 2-[[4-[ethyl(2-hydroxyethyl)amino]phenyl]azo]-6-methoxy-3-methylbenzothiazolium methyl sulphate | 235-546-0 | 12270-13-2 | Benzothiazolium, 2-[[4-[ethyl(2-hydroxyethyl)amino]phenyl]azo]-6-methoxy-3-methyl-, and its salts, when used as a substance in hair dye products           | 235-546-0  | 12270-13-2             |   |  |  |  |  |  |  |  |  |  |  |  | 12<br>61         |
| 2-[(4-chloro-2-nitrophenyl)azo]-N-(2-methoxyphenyl)-3-oxobutanamide                             | 236-852-7 | 13515-40-7 | 2-[(4-Chloro-2-nitrophenyl)azo]-N-(2-methoxyphenyl)-3-oxobutanamide (Pigment Yellow 73) and its salts, when used as a substance in hair dye products       | 236-852-7  | 13515-40-7             | y |  |  |  |  |  |  |  |  |  |  |  | 12<br>62         |
| 2,2'-[(3,3'-dichloro[1,1'-biphenyl]-4,4'-diyl)bis(azo)]bis[3-oxo-                               | 228-787-8 | 6358-85-6  | 2,2'-[(3,3'-Dichloro[1,1'-biphenyl]-4,4'-diyl)bis(azo)]bis[3-oxo-  | 228-787-8, | 6358-85-6, 15541-56-7  |   |  |  |  |  |  |  |  |  |  |  |  | 1<br>2<br>6<br>3 |
|   |           |            |  |            |                        |   |  |  |  |  |  |  |  |  |  |  |  | y                |

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|   |           |            |   |           |            |  |  |  |  |  |  |  |  |  |  |  |  |          |
|---|-----------|------------|---|-----------|------------|--|--|--|--|--|--|--|--|--|--|--|--|----------|
| ]bis[3-oxo-N-phenylbutyramide]  |           |            | N-phenylbutanamide] (Pigment Yellow 12) and its salts, when used as a substance in hair dye products, Pigment yellow 12                                     |           |            |  |  |  |  |  |  |  |  |  |  |  |  |          |
| Disodium 4,4'-bis[(4-ethoxyphenyl)azo]stilbene-2,2'-disulphonate                                  | 220-698-2 | 2870-32-8  | 2,2'-(1,2-Ethenediyl)bis[5-((4-ethoxyphenyl)azo)benzenesulfonic acid] and its salts, when used as a substance in hair dye products                          | 220-698-2 | 2870-32-8  |  |  |  |  |  |  |  |  |  |  |  |  | 12<br>64 |
| 2,3-dihydro-2,2-dimethyl-6-[[1-naphthyl-4-(phenylazo)]azo]-1H-perimidine                          | 224-087-1 | 4197-25-5  | 2,3-Dihydro-2,2-dimethyl-6-[[4-(phenylazo)-1-naphthalenyl]azo]-1H-pyrimidine (Solvent Black 3) and its salts, when used as a substance in hair dye products | 224-087-1 | 4197-25-5  |  |  |  |  |  |  |  |  |  |  |  |  | 12<br>65 |
| Disodium 5-[[4-[(7-amino-1-hydroxy-3-sulphonato-2-naphthyl)azo]-1-naphthyl]azo]salicylate         | 222-351-0 | 3442-21-5  | 3(or5)-[[4-[(7-amino-1-hydroxy-3-sulphonato-2-naphthyl)azo]-1-naphthyl]azo]s alicyclic acid and its salts, when used as a substance in hair dye products    | 222-351-0 | 3442-21-5  |  |  |  |  |  |  |  |  |  |  |  |  | 12<br>66 |
| Disodium 3(or 5)-[[4-[(7-amino-1-hydroxy-3-sulphonato-2-naphthyl)azo]-1-naphthyl]azo]salicylate   | 252-305-5 | 34977-63-4 | 3(or5)-[[4-[(7-amino-1-hydroxy-3-sulphonato-2-naphthyl)azo]-1-naphthyl]azo]s alicyclic acid and its salts, when used as a substance in hair dye products    | 252-305-5 | 34977-63-4 |  |  |  |  |  |  |  |  |  |  |  |  | 12<br>66 |
| Disodium 7-benzamido-4-hydroxy-3-[[4-[(4-sulphonatophenyl)azo]phenyl]azo]naphthalene-2-sulphonate | 220-028-9 | 2610-11-9  | 2-Naphthalenesulfonic acid, 7-(benzoylamino)-4-hydroxy-3-[[4-[(4-sulfophenyl)azo]phenyl]azo]-, and its salts, when used as a substance in hair dye products | 220-028-9 | 2610-11-09 |  |  |  |  |  |  |  |  |  |  |  |  | 12<br>67 |

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|   |               |                |  |               |                                  |   |  |  |  |  |  |  |  |  |  |  |          |
|---|---------------|----------------|--|---------------|----------------------------------|---|--|--|--|--|--|--|--|--|--|--|----------|
| Disodium<br>[μ-[[7,7'-<br>iminobis[4-<br>hydroxy-3-<br>[[2-hydroxy-<br>5-(N-<br>methylsulph<br>amoyl)phen<br>yl]azo]naph<br>thalene-2-<br>sulphonato]]<br>(6-<br>)]dicuprate(<br>2-)                          | 253-<br>441-8 | 37279-<br>54-2 | (μ-((7,7'-<br>Iminobis(4-<br>hydroxy-3-((2-<br>hydroxy-5-(N-<br>methylsulpha<br>moyl)<br>phenyl)azo)na<br>phthalene-2-<br>sulphonato))(6<br>-<br>)))dicuprate(2-<br>) and its<br>salts, when<br>used as a<br>substance in<br>hair dye<br>products                          | 253-<br>441-8 | 37279-<br>54-2                   |   |  |  |  |  |  |  |  |  |  |  | 12<br>68 |
| Disodium 3-<br>[[4-<br>acetamidoph<br>enyl]azo]-4-<br>hydroxy-7-<br>[[[[5-<br>hydroxy-6-<br>(phenylazo)-<br>7-<br>sulphonato-<br>2-<br>naphthyl]am<br>ino]carbonyl<br>]amino]naph<br>thalene-2-<br>sulphonate | 222-<br>348-4 | 3441-<br>14-3  | 3-[[4-<br>(Acetylamino)<br>phenyl]azo]-4-<br>hydroxy-7-<br>[[[[5-hydroxy-<br>6-(phenylazo)-<br>7-sulfo-2-<br>naphthalenyl]a<br>mino]carbonyl<br>]amino]-<br>2-<br>naphthalenesu<br>lfonic acid and<br>its salts, when<br>used as a<br>substance in<br>hair dye<br>products | 222-<br>348-4 | 3441-<br>14-3                    |   |  |  |  |  |  |  |  |  |  |  | 12<br>69 |
| Hexasodium<br>7,7'-<br>(carbonyldii<br>mino)bis[4-<br>hydroxy-3-<br>[[2-<br>sulphonato-<br>4-[(4-<br>sulphonatop<br>henyl)azo]p<br>henyl]azo]n<br>aphthalene-<br>2-<br>sulphonate]                            | 220-<br>027-3 | 2610-<br>10-8  | 2-<br>Naphthalenesu<br>lfonic acid,<br>7,7'-<br>(carbonyldiimi<br>no)bis(4-<br>hydroxy-3-[[2-<br>sulfo-4-[(4-<br>sulfophenyl)<br>azo]phenyl]az<br>o]-, and its<br>salts, when<br>used as a<br>substance in<br>hair dye<br>products   | 220-<br>027-3 | 2610-<br>10-8,<br>25188-<br>41-4 | y |  |  |  |  |  |  |  |  |  |  | 12<br>70 |
| 2-<br>Naphthalene<br>sulfonic<br>acid, 7,7'-<br>(carbonyldii<br>mino)bis[4-<br>hydroxy-3-<br>[[2-sulfo-4-<br>[(4-<br>sulfophenyl)<br>azo]phenyl]<br>azo]-   | 607-<br>625-3 | 25188-<br>41-4 | 2-<br>Naphthalenesu<br>lfonic acid,<br>7,7'-<br>(carbonyldiimi<br>no)bis(4-<br>hydroxy-3-[[2-<br>sulfo-4-[(4-<br>sulfophenyl)<br>azo]phenyl]az<br>o]-, and its<br>salts, when<br>used as a<br>substance in<br>hair dye<br>products   | 220-<br>027-3 | 25188-<br>41-4                   |   |  |  |  |  |  |  |  |  |  |  | 12<br>70 |
| [4-[bis[4-<br>(diethylamin<br>o)phenyl]me<br>thylene]-<br>2,5-<br>cyclohexadie<br>n-1-<br>ylidene]diet<br>hyllammoniu<br>m chloride   | 219-<br>231-5 | 2390-<br>59-2  | Ethanaminium,<br>N-(4-[bis[4-<br>(diethylamino)<br>phenyl]methyl<br>ene]-2,5-<br>cyclohexadien-<br>1-ylidene)-N-<br>ethyl-, and its<br>salts, when<br>used as a<br>substance in  | 219-<br>231-5 | 2390-<br>59-2                    |   |  |  |  |  |  |  |  |  |  |  | 12<br>71 |

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|  |           |            |   |           |                           |   |  |  |  |  |  |  |  |  |  |  |  |          |
|--|-----------|------------|---|-----------|---------------------------|---|--|--|--|--|--|--|--|--|--|--|--|----------|
|  |           |            | hair dye products   |           |                           |   |  |  |  |  |  |  |  |  |  |  |  |          |
| 2-[[[4-methoxyphenyl)methylhydrazono]methyl]-1,3,3-trimethyl-3H-indolium methyl sulphate | 258-946-7 | 54060-92-3 | 3H-Indolium, 2-[[[4-methoxyphenyl)methylhydrazono]methyl]-1,3,3-trimethyl-, and its salts, when used as a substance in hair dye products              | 258-946-7 | 54060-92-3                | y |  |  |  |  |  |  |  |  |  |  |  | 12<br>72 |
| 2-(2-((2,4-dimethoxyphenyl)amino)vinyl)-1,3,3-trimethyl-3H-indolium chloride             | 224-132-5 | 4208-80-4  | 3H-Indolium, 2-(2-((2,4-dimethoxyphenyl)amino)ethyl)-1,3,3-trimethyl-, and its salts, when used as a substance in hair dye products                   | 224-132-5 | 4208-80-4                 |   |  |  |  |  |  |  |  |  |  |  |  | 12<br>73 |
| C.I. Solvent Black 5   | 601-023-4 | 11099-03-9 | Nigrosine spirit soluble (Solvent Black 5), when used as a substance in hair dye products   |           | 11099-03-9                |   |  |  |  |  |  |  |  |  |  |  |  | 12<br>74 |
| 3,7-bis(diethylamino)phenoxazin-5-ium chloride   | 251-403-5 | 33203-82-6 | Phenoxazin-5-ium, 3,7-bis(diethylamino)-, and its salts, when used as a substance in hair dye products  | 251-403-5 | 47367-75-9,<br>33203-82-6 |   |  |  |  |  |  |  |  |  |  |  |  | 12<br>75 |
| 9-(dimethylamino)benzo[a]phenoxazin-7-ium chloride                                       | 213-524-1 | 966-62-1   | Benzo[a]phenoxazin-7-ium, 9-(dimethylamino)-, and its salts, when used as a substance in hair dye products  | 213-524-1 | 966-62-1                  |   |  |  |  |  |  |  |  |  |  |  |  | 12<br>76 |
| 9-(dimethylamino)benzo[a]phenazin-7-ium chloride, compound with zinc chloride            | 230-338-6 | 7057-57-0  | Benzo[a]phenoxazin-7-ium, 9-(dimethylamino)-, and its salts, when used as a substance in hair dye products  | 230-338-6 | 7057-57-0                 |   |  |  |  |  |  |  |  |  |  |  |  | 12<br>76 |
| 6-amino-2-(2,4-dimethylphenyl)-1H-benz[de]isoquinoline-1,3(2H)-dione                     | 219-607-9 | 2478-20-8  | 6-Amino-2-(2,4-dimethylphenyl)-1H-benz[de]isoquinoline-1,3(2H)-dione (Solvent Yellow 44) and its salts, when used as a substance in hair dye products | 219-607-9 | 2478-20-8                 | y |  |  |  |  |  |  |  |  |  |  |  | 12<br>77 |
| 1-amino-4-[[4-[(dimethylamino)methyl]phe   | 235-398-7 | 12217-43-5 | 1-Amino-4-[[4-[(dimethylamino)methyl]phe  | 235-398-7 | 12217-43-5                |   |  |  |  |  |  |  |  |  |  |  |  | 12<br>78 |

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|   |           |            |   |            |                      |   |  |  |  |  |    |  |  |  |  |  |  |      |
|---|-----------|------------|---|------------|----------------------|---|--|--|--|--|----|--|--|--|--|--|--|------|
| phenyl]amino]anthraquinone  |           |            | nyl]amino]anthraquinone and its salts, when used as a substance in hair dye products  |            |                      |   |  |  |  |  |    |  |  |  |  |  |  |      |
| 1-amino-4-[[4-[(dimethylamino)methyl]phenyl]amino]anthraquinone monohydrochloride | 267-677-4 | 67905-56-0 | 1-Amino-4-[[4-[(dimethylamino)methyl]phenyl]amino]anthraquinone and its salts, when used as a substance in hair dye products      | 267-677-4  | 67905-56-0           |   |  |  |  |  |    |  |  |  |  |  |  | 1278 |
|   |           |            | Laccaic Acid (CI Natural Red 25) and its salts, when used as a substance in hair dye products                                     |            | 60687-93-6           |   |  |  |  |  |    |  |  |  |  |  |  | 1279 |
| Sodium 2-anilino-5-(2,4-dinitroanilino)benzenesulphonate                          | 228-921-5 | 6373-74-6  | Benzenesulfonic acid, 5-[(2,4-dinitrophenyl)amino]-2-(phenylamino)-, and its salts, when used as a substance in hair dye products | 228-921-5  | 6373-74-6            | y |  |  |  |  |    |  |  |  |  |  |  | 1280 |
| 5-[(2,4-dinitrophenyl)amino]-2-anilinobenzenesulphonic acid                       | 239-377-3 | 15347-52-1 | Benzenesulfonic acid, 5-[(2,4-dinitrophenyl)amino]-2-(phenylamino)-, and its salts, when used as a substance in hair dye products | 239-377-3  | 15347-52-1           |   |  |  |  |  |    |  |  |  |  |  |  | 1280 |
| 4-[(4-nitrophenyl)azo]aniline   | 211-984-8 | 730-40-5   | 4-[(4-Nitrophenyl)azo]aniline (Disperse Orange 3) and its salts, when used as a substance in hair dye products, Disperse Orange 3 | 211-984-8, | 730-40-5, 70170-61-5 |   |  |  |  |  | 18 |  |  |  |  |  |  | 1281 |
| 4-nitro-m-phenylenediamine  | 225-876-3 | 5131-58-8  | 4-Nitro-m-phenylenediamine and its salts, when used as a substance in hair dye products   | 225-876-3  | 5131-58-8            | y |  |  |  |  |    |  |  |  |  |  |  | 1282 |
| 1-amino-4-(methylamino)anthraquinone  | 214-944-8 | 1220-94-6  | 1-Amino-4-(methylamino)-9,10-anthracenedione (Disperse Violet 4) and its salts, when used as a substance in hair dye products     | 214-944-8  | 1220-94-6            |   |  |  |  |  |    |  |  |  |  |  |  | 1283 |

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|--|-----------|------------|--|-----------|------------|--|--|--|--|--|---|--|--|--|--|--|--|--|--|----------|----------|----------|
| N-methyl-2-nitrobenzene-1,4-diamine  | 221-014-5 | 2973-21-9  | N-Methyl-3-nitro-p-phenylenedia mine and its salts, when used as a substance in hair dye products  | 221-014-5 | 2973-21-9  |  |  |  |  |  |   |  |  |  |  |  |  |  |  | 12<br>84 |          |          |
| 2-(2-amino-4-nitroanilino) ethanol   | 260-450-0 | 56932-44-6 | N1-(2-Hydroxyethyl)-4-nitro-o-phenylenedia mine (HC Yellow No. 5) and its salts, when used as a substance in hair dye products               | 260-450-0 | 56932-44-6 |  |  |  |  |  |   |  |  |  |  |  |  |  |  | 12<br>85 |          |          |
| 2-[(2-amino-4-nitrophenyl) amino]-2-(hydroxymethyl)propane-1,3-diol              | 260-451-6 | 56932-45-7 | N1-(Tris(hydroxy methyl))methyl-4-nitro-1,2-phenylenedia mine (HC Yellow No. 3) and its salts, when used as a substance in hair dye products | 260-451-6 | 56932-45-7 |  |  |  |  |  |   |  |  |  |  |  |  |  |  | 12<br>86 |          |          |
|  |           |            | 2-Nitro-N-hydroxyethyl-p-anisidine and its salts, when used as a substance in hair dye products  |           |            |  |  |  |  |  |   |  |  |  |  |  |  |  |  |          | 12<br>87 |          |
| 2-[N-methyl-4-(methylamino)-3-nitroanilino] ethanol                              | 233-549-1 | 10228-03-2 | N,N'-Dimethyl-N-Hydroxyethyl-3-nitro-p-phenylenedia mine and its salts, when used as a substance in hair dye products                        | 233-549-1 | 10228-03-2 |  |  |  |  |  |   |  |  |  |  |  |  |  |  |          | 12<br>88 |          |
| 3-(N-methyl-N-(4-methylamino-3-nitrophenyl) amino)propane-1,2-diol hydrochloride | 403-440-5 | 93633-79-5 | 3-(N-Methyl-N-(4-methylamino-3-nitrophenyl) amino)propane-1,2-diol and its salts, when used as a substance in hair dye products              | 403-440-5 | 93633-79-5 |  |  |  |  |  | y |  |  |  |  |  |  |  |  |          | 12<br>89 |          |
| 4-ethylamino-3-nitrobenzoic acid   | 412-090-2 | 2788-74-1  | 4-Ethylamino-3-nitrobenzoic acid (N-Ethyl-3-Nitro PABA) and its salts, when used as a substance in hair dye products                         | 412-090-2 | 2788-74-1  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |          | 12<br>90 | y        |
| [8-[(4-amino-2-nitrophenyl) azo]-7-hydroxy-2-naphthyl]trimethylamm               | 275-216-3 | 71134-97-9 | (8-[(4-Amino-2-nitrophenyl)azo]-7-hydroxy-2-naphthyl) trimethylamm onium and its   | 275-216-3 | 71134-97-9 |  |  |  |  |  |   |  |  |  |  |  |  |  |  |          |          | 12<br>91 |

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|---|-----------|------------|--|-----------|------------|---|--|--|--|--|------|--|---|--|---|--|--|
| onium chloride  |           |            | salts, except Basic Red 118 (CAS 71134-97-9) as impurity in Basic Brown 17, when used as a substance in hair dye products                            |           |            |   |  |  |  |  |      |  |   |  |   |  |  |
| C.I. Basic Red 22   | 602-140-3 | 12221-52-2 | 5-((4-(Dimethylamino)phenyl)azo)-1,4-dimethyl-1H-1,2,4-triazolium and its salts, when used as a substance in hair dye products                       |           | 12221-52-2 |   |  |  |  |  | 1292 |  |   |  |   |  |  |
| 4-(phenylazo)benzene-1,3-diamine  | 207-803-7 | 495-54-5   | m-Phenylenediamine, 4-(phenylazo)-, and its salts, when used as a substance in hair dye products   | 207-803-7 | 495-54-5   | y |  |  |  |  | 1293 |  | y |  | y |  |  |
| 5-(phenylazo)toluene-3,4-diamine monohydrochloride                                    | 224-654-3 | 4438-16-8  | 1,3-Benzenediamine, 4-methyl-6-(phenylazo)- and its salts, when used as a substance in hair dye products   | 224-654-3 | 4438-16-8  |   |  |  |  |  | 1294 |  |   |  |   |  |  |
| Disodium 5-(acetylamino)-4-hydroxy-3-[(o-tolyl)azo]naphthalene-2,7-disulphonate       | 229-231-7 | 6441-93-6  | 2,7-Naphthalenedisulfonic acid, 5-(acetylamino)-4-hydroxy-3-[(2-methylphenyl)azo]-, and its salts, when used as a substance in hair dye products     | 229-231-7 | 6441-93-6  |   |  |  |  |  | 1295 |  |   |  |   |  |  |
| 5,5'-[[4-methyl-1,3-phenylene]bis(azo)]bis[toluene-2,4-diamine]                       | 224-764-1 | 4482-25-1  | 4,4'-[[4-Methyl-1,3-phenylene]bis(azo)]bis[6-methyl-1,3-benzenediamine] (Basic Brown 4) and its salts, when used as a substance in hair dye products | 224-764-1 | 4482-25-1  |   |  |  |  |  | 1296 |  |   |  |   |  |  |
| 3-[[4-[[[diamino(phenylazo)phenyl]azo]-m-tolyl]azo]-N,N,N-trimethylanilinium chloride | 280-920-9 | 83803-99-0 | Benzenaminium, 3-[[4-[[[diamino(phenylazo)phenyl]azo]-2-methylphenyl]azo]-N,N,N-trimethyl-, and its salts, when used as a                            | 280-920-9 | 83803-99-0 |   |  |  |  |  | 1297 |  |   |  |   |  |  |



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|--|-----------|------------|--|------------|------------|---|--|--|--|--|--|--|--|--|--|--|--|------|
|  |           |            | substance in hair dye products   |            |            |   |  |  |  |  |  |  |  |  |  |  |  |      |
| 3-[[4-[[diamino(phenylazo)-1-naphthyl]azo]-N,N,N-trimethylanilinium chloride                     | 280-919-3 | 83803-98-9 | Benzenaminium, 3-[[4-[[diamino(phenylazo)-1-naphthalenyl]azo]-N,N,N-trimethyl-, and its salts, when used as a substance in hair dye products                                   | 280-919-3  | 83803-98-9 |   |  |  |  |  |  |  |  |  |  |  |  | 1298 |
| [4-[4-(diethylamino)benzhydrylene]cyclohexa-2,5-dien-1-ylidene]diethylammonium hydrogen sulphate | 211-190-1 | 633-03-4   | Ethanaminium, N-[4-[(4-(diethylamino)phenyl)phenylmethylene]-2,5-cyclohexadien-1-ylidene]-N-ethyl- and its salts, when used as a substance in hair dye products, Basic Green 1 | 211-190-1, | 633-03-4   | y |  |  |  |  |  |  |  |  |  |  |  | 1299 |
| 9,10-anthracenedione, 1,4-diamino-, N,N'-mixed 2-hydroxyethyl and methyl derivatives             | 219-604-2 | 2475-46-9  | 9,10-Anthracenedione, 1-[(2-hydroxyethyl)amino]-4-(methylamino)-, and its derivatives and salts, when used as a substance in hair dye products, Disperse Blue 3                | 219-604-2, | 2475-46-9  |   |  |  |  |  |  |  |  |  |  |  |  | 1300 |
| 1-[(2-hydroxyethyl)amino]-4-(methylamino)anthraquinone   | 289-276-3 | 86722-66-9 | 9,10-Anthracenedione, 1-[(2-hydroxyethyl)amino]-4-(methylamino)-, and its derivatives and salts, when used as a substance in hair dye products                                 | 289-276-3  | 86722-66-9 |   |  |  |  |  |  |  |  |  |  |  |  | 1300 |
| 1,4-diamino-2-methoxyanthraquinone   | 220-703-8 | 2872-48-2  | 1,4-Diamino-2-methoxy-9,10-anthracenedione (Disperse Red 11) and its salts, when used as a substance in hair dye products  | 220-703-8  | 2872-48-2  |   |  |  |  |  |  |  |  |  |  |  |  | 1301 |
| 1,4-dihydroxy-5,8-bis[(2-hydroxyethyl)amino]anthraquinone  | 221-666-0 | 3179-90-6  | 1,4-Dihydroxy-5,8-bis[(2-hydroxyethyl)amino]anthraquinone (Disperse Blue   | 221-666-0  | 3179-90-6  |   |  |  |  |  |  |  |  |  |  |  |  | 1302 |

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|   |           |            | 7) and its salts, when used as a substance in hair dye products  |           |            |             |  |  |  |  |  |      |  |  |  |  |  |  |
| 1-[(3-aminopropyl)amino]-4-(methylamino)anthraquinone                                   | 244-938-0 | 22366-99-0 | 1-[(3-Aminopropyl)amino]-4-(methylamino)anthraquinone and its salts, when used as a substance in hair dye products   | 244-938-0 | 22366-99-0 |             |  |  |  |  |  | 1303 |  |  |  |  |  |  |
| N-[6-[(2-chloro-4-hydroxyphenyl)imino]-4-methoxy-3-oxo-1,4-cyclohexadien-1-yl]acetamide | 266-424-5 | 66612-11-1 | N-[6-[(2-Chloro-4-hydroxyphenyl)imino]-4-methoxy-3-oxo-1,4-cyclohexadien-1-yl]acetamide (HC Yellow No. 8) and its salts, when used as a substance in hair dye products | 266-424-5 | 66612-11-1 |             |  |  |  |  |  | 1304 |  |  |  |  |  |  |
| [6-[[3-chloro-4-(methylamino)phenyl]imino]-4-methyl-3-oxocyclohexa-1,4-dien-1-yl]urea   | 260-116-4 | 56330-88-2 | [6-[[3-Chloro-4-(methylamino)phenyl]imino]-4-methyl-3-oxocyclohexa-1,4-dien-1-yl]urea (HC Red No. 9) and its salts, when used as a substance in hair dye products      | 260-116-4 | 56330-88-2 |             |  |  |  |  |  | 1305 |  |  |  |  |  |  |
| Methylthionium chloride   | 200-515-2 | 61-73-4    | Phenothiazin-5-ium, 3,7-bis(dimethylamino)-, and its salts, when used as a substance in hair dye products  | 200-515-2 | 61-73-4    |             |  |  |  |  |  | 1306 |  |  |  |  |  |  |
|   |           |            | 4,6-Bis(2-Hydroxyethoxy)-m-Phenylenediamine and its salts, when used as a substance in hair dye products   |           |            | 94082-85-6  |  |  |  |  |  | 1307 |  |  |  |  |  |  |
|   |           |            | 5-Amino-2,6-Dimethoxy-3-Hydroxypyridine and its salts, when used as a substance in hair dye products   |           |            | 104333-03-1 |  |  |  |  |  | 1308 |  |  |  |  |  |  |
| 4,4'-iminodipheniline   | 208-673-4 | 537-65-5   | 4,4'-Diaminodiphenylamine and its salts, when used as a  | 208-673-4 | 537-65-5   |             |  |  |  |  |  | 1309 |  |  |  |  |  |  |

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|  |           |            | substance in hair dye products   |           |             |   |  |  |  |  |  |          |   |  |  |  |   |  |
| 4-diethylamino-o-toluidine                         | 205-722-1 | 148-71-0   | 4-Diethylamino-o-toluidine and its salts, when used as a substance in hair dye products      | 205-722-1 | 148-71-0    |   |  |  |  |  |  | 13<br>10 |   |  |  |  |   |  |
| N5,N5-diethyltoluene-2,5-diamine monohydrochloride | 218-130-3 | 2051-79-8  | 4-Diethylamino-o-toluidine and its salts, when used as a substance in hair dye products      | 218-130-3 | 2051-79-8   |   |  |  |  |  |  | 13<br>10 | y |  |  |  | y |  |
| 4-diethylamino-o-toluidine hydrochloride           | 246-484-9 | 24828-38-4 | 4-Diethylamino-o-toluidine and its salts, when used as a substance in hair dye products      | 246-484-9 | 24828-38-4  |   |  |  |  |  |  | 13<br>10 |   |  |  |  |   |  |
| 4-amino-N,N-diethylaniline                         | 202-214-1 | 93-05-0    | N,N-Diethyl-p-phenylenediamine and its salts, when used as a substance in hair dye products  | 202-214-1 | 93-05-0     | y |  |  |  |  |  | 13<br>11 |   |  |  |  | y |  |
| 4-amino-N,N-diethylaniline sulphate                | 227-995-6 | 6065-27-6  | N,N-Diethyl-p-phenylenediamine and its salts, when used as a substance in hair dye products  | 227-995-6 | 6065-27-6   |   |  |  |  |  |  | 13<br>11 |   |  |  |  |   |  |
| N,N-diethylbenzene-1,4-diammonium sulphate         | 228-500-6 | 6283-63-2  | N,N-Diethyl-p-phenylenediamine and its salts, when used as a substance in hair dye products  | 228-500-6 | 6283-63-2   |   |  |  |  |  |  | 13<br>11 |   |  |  |  |   |  |
| 4-amino-N,N-dimethylaniline                        | 202-807-5 | 99-98-9    | N,N-Dimethyl-p-phenylenediamine and its salts, when used as a substance in hair dye products | 202-807-5 | 99-98-9     |   |  |  |  |  |  | 13<br>12 |   |  |  |  |   |  |
| 4-amino-N,N-dimethylaniline sulphate               | 228-292-7 | 6219-73-4  | N,N-Dimethyl-p-phenylenediamine and its salts, when used as a substance in hair dye products | 228-292-7 | 6219-73-4   |   |  |  |  |  |  | 13<br>12 |   |  |  |  |   |  |
| 4-methyl-o-phenylenediamine                        | 207-826-2 | 496-72-0   | Toluene-3,4-Diamine and its salts, when used as a substance in hair dye products             | 207-826-2 | 496-72-0    |   |  |  |  |  |  | 13<br>13 |   |  |  |  |   |  |
|  |           |            | 2,4-Diamino-5-methylphenox   |           | 113715-27-8 |   |  |  |  |  |  | 13<br>14 |   |  |  |  |   |  |

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|--|-----------|------------|---|-----------|-------------|---|--|--|--|--|--|----------|--|--|--|--|--|--|
|  |           |            | yethanol and its salts, when used as a substance in hair dye products   |           |             |   |  |  |  |  |  |          |  |  |  |  |  |  |
|  |           |            | 2,4-Diamino-5-methylphenox yethanol and its salts, when used as a substance in hair dye products                |           | 141614-05-3 |   |  |  |  |  |  | 13<br>14 |  |  |  |  |  |  |
| Phenol, 2-amino-6-methyl-                        | 605-780-1 | 17672-22-9 | 6-Amino-o-cresol and its salts, when used as a substance in hair dye products                                   |           | 17672-22-9  |   |  |  |  |  |  | 13<br>15 |  |  |  |  |  |  |
|  |           |            | Hydroxyethylaminomethyl-p-aminophenol and its salts, when used as a substance in hair dye products              |           | 110952-46-0 |   |  |  |  |  |  | 13<br>16 |  |  |  |  |  |  |
|  |           |            | Hydroxyethylaminomethyl-p-aminophenol and its salts, when used as a substance in hair dye products              |           | 135043-63-9 |   |  |  |  |  |  | 13<br>16 |  |  |  |  |  |  |
| 2-amino-3-nitrophenol                            | 210-060-1 | 603-85-0   | 2-Amino-3-nitrophenol and its salts, when used as a substance in hair dye products                              | 210-060-1 | 603-85-0    |   |  |  |  |  |  | 13<br>17 |  |  |  |  |  |  |
| 2-[(4-amino-2-chloro-5-nitrophenyl)amino]ethanol | 256-652-3 | 50610-28-1 | 2-Chloro-5-nitro-N-hydroxyethyl-p-phenylenediamine and its salts, when used as a substance in hair dye products | 256-652-3 | 50610-28-1  |   |  |  |  |  |  | 13<br>18 |  |  |  |  |  |  |
| 2-nitro-p-phenylenediamine                       | 226-164-5 | 5307-14-2  | 2-Nitro-p-phenylenediamine and its salts, when used as a substance in hair dye products                         | 226-164-5 | 5307-14-2   | y |  |  |  |  |  | 13<br>19 |  |  |  |  |  |  |
| 2-nitrobenzene-1,4-diamine dihydrochloride       | 242-144-9 | 18266-52-9 | 2-Nitro-p-phenylenediamine and its salts, when used as a substance in hair dye products                         | 242-144-9 | 18266-52-9  |   |  |  |  |  |  | 13<br>19 |  |  |  |  |  |  |
|  |           |            | Hydroxyethyl-2,6-dinitro-p-anisidine and its salts, when used as a substance in                                 |           | 122252-11-3 |   |  |  |  |  |  | 13<br>20 |  |  |  |  |  |  |

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|   |           |             | hair dye products   |           |             |   |  |  |  |  |  |  |          |  |  |  |  |  |
|   |           |             | 6-Nitro-2,5-pyridinediamine and its salts, when used as a substance in hair dye products  |           | 69825-83-8  |   |  |  |  |  |  |  | 13<br>21 |  |  |  |  |  |
| 3,7-diamino-2,8-dimethyl-5-phenylphenazinium chloride   | 207-518-8 | 477-73-6    | Phenazinium, 3,7-diamino-2,8-dimethyl-5-phenyl-, and its salts, when used as a substance in hair dye products                               | 207-518-8 | 477-73-6    |   |  |  |  |  |  |  | 13<br>22 |  |  |  |  |  |
| Chromium, 3-hydroxy-4-[(2-hydroxy-1-naphthalenyl)azo]-7-nitro-1-naphthalene sulfonic acid complex | 227-029-3 | 5610-64-0   | 3-Hydroxy-4-[(2-hydroxynaphthyl)azo]-7-nitronaphthalene-1-sulphonic acid and its salts, when used as a substance in hair dye products       | 227-029-3 | 5610-64-0   | y |  |  |  |  |  |  | 13<br>23 |  |  |  |  |  |
| 3-hydroxy-4-[(2-hydroxynaphthyl)azo]-7-nitronaphthalene-1-sulphonic acid                          | 240-379-1 | 16279-54-2  | 3-Hydroxy-4-[(2-hydroxynaphthyl)azo]-7-nitronaphthalene-1-sulphonic acid and its salts, when used as a substance in hair dye products       | 240-379-1 | 16279-54-2  |   |  |  |  |  |  |  | 13<br>23 |  |  |  |  |  |
| 3-((2-nitro-4-(trifluoromethyl)phenyl)amino)propane-1,2-diol                                      | 410-010-0 | 104333-00-8 | 3-[(2-nitro-4-(trifluoromethyl)phenyl)amino]propane-1,2-diol (HC Yellow No. 6) and its salts, when used as a substance in hair dye products |           | 104333-00-8 | y |  |  |  |  |  |  | 13<br>24 |  |  |  |  |  |
| 2-[(4-chloro-2-nitrophenyl)amino]ethanol  | 413-280-8 | 59320-13-7  | 2-[(4-chloro-2-nitrophenyl)amino]ethanol (HC Yellow No. 12) and its salts, when used as a substance in hair dye products                    |           | 59320-13-7  | y |  |  |  |  |  |  | 13<br>25 |  |  |  |  |  |
| 2-[(4-Chloro-2-nitrophenyl)amino]ethanol  | 628-824-1 | 59320-13-7  | 2-[(4-chloro-2-nitrophenyl)amino]ethanol (HC Yellow No. 12) and its salts, when used as a substance in hair dye products                    |           | 59320-13-7  |   |  |  |  |  |  |  | 13<br>25 |  |  |  |  |  |
|   |           |             | 3-[[4-[(2-Hydroxyethyl)Methylamino]-2-  |           | 102767-27-1 |   |  |  |  |  |  |  | 13<br>26 |  |  |  |  |  |

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|  |           |           | Nitrophenyl]Amino]-1, 2-Propanediol and its salts, when used as a substance in hair dye products   |            |                     |  |  |  |  |  |   |          |  |  |
|  |           |           | 3-[[4-[(2-Hydroxyethyl) Methylamino]-2-Nitrophenyl]Amino]-1, 2-Propanediol and its salts, when used as a substance in hair dye products  |            | 173994-75-7         |  |  |  |  |  |   | 13<br>26 |  |  |
|  |           |           | 3-[[4-[Ethyl(2-Hydroxyethyl) Amino]-2-Nitrophenyl]Amino]-1, 2-Propanediol and its salts, when used as a substance in hair dye products   |            | 114087-41-1         |  |  |  |  |  |   | 13<br>27 |  |  |
|  |           |           | 3-[[4-[Ethyl(2-Hydroxyethyl) Amino]-2-Nitrophenyl]Amino]-1, 2-Propanediol and its salts, when used as a substance in hair dye products   |            | 114087-42-2         |  |  |  |  |  |   | 13<br>27 |  |  |
| [4-[4-(diethylamino)-α-[4-(ethylamino)-1-naphthyl]benzylidene]cyclohexa-2,5-dien-1-ylidene]dihydroxylammonium chloride | 219-232-0 | 2390-60-5 | Ethanaminium, N-[4-[[4-(diethylamino) phenyl][4-(ethylamino)-1-naphthalenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-ethyl-, and its salts, when used as a substance in hair dye products, Basic Blue 7 | 219-232-0, | 2390-60-5           |  |  |  |  |  | 6 | 13<br>28 |  |  |
| 4-[(4-aminophenyl)(4-aminocyclohexa-2,5-dien-1-ylidene)methyl]-o-toluidine   | 221-832-2 | 3248-93-9 | 4-[(4-Aminophenyl)(4-aminocyclohexa-2,5-dien-1-ylidene)methyl]-o-toluidine and its hydrochloride salt (Basic Violet 14; CI 42510) when used as a substance in hair dye products                          | 221-832-2  | 3248-93-9, 632-99-5 |  |  |  |  |  |   | 13<br>29 |  |  |
| 4-[(2,4-dihydroxyphenyl)azo]be   | 218-087-0 | 2050-34-2 | 4-(2,4-Dihydroxyphenylazo)benzens  | 218-087-0  | 2050-34-2           |  |  |  |  |  |   | 13<br>30 |  |  |

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| nzenesulphonic acid  |           |            | ulphonic acid and its sodium salt (Acid Orange 6; CI 14270) when used as substance in hair dye products   |           |            |  |  |  |  |  |  |  |  |  |  |  |  |            |          |
| 3-hydroxy-4-(phenylazo)-2-naphthoic acid                                     | 248-638-0 | 27757-79-5 | 3-Hydroxy-4-(phenylazo)-2-naphthoic acid and its calcium salt (Pigment Red 64:1; CI 15800) when used as a substance in hair dye products  | 248-638-0 | 27757-79-5 |  |  |  |  |  |  |  |  |  |  |  |  | 13<br>31   |          |
|  |           |            | Xanthyllium, 9-(2-carboxyphenyl)-3-((2-methylphenyl)amino)-6-((2-methyl-4-sulfophenyl)amino)-, inner salt and its sodium salt (Acid Violet 9; CI 45190) when used as a substance in hair dye products |           |            |  |  |  |  |  |  |  |  |  |  |  |  | 10213-95-3 | 13<br>35 |
| Disodium 2-(4,5-diiodo-6-oxido-3-oxoxanthene-9-yl)benzoate                   | 251-419-2 | 33239-19-9 | 3',6'-Dihydroxy-4',5'-diiodospiro(isobenzofuran-1(3H),9'-[9H]xanthene)-3-one; (Solvent Red 73) and its sodium salt (Acid Red 95; CI 45425) when used as a substance in hair dye products              | 251-419-2 | 33239-19-9 |  |  |  |  |  |  |  |  |  |  |  |  | 13<br>36   |          |
| 3',6'-dihydroxy-4',5'-diiodospiro[isobenzofuran-1(3H),9'-[9H]xanthene]-3-one | 254-010-7 | 38577-97-8 | 3',6'-Dihydroxy-4',5'-diiodospiro(isobenzofuran-1(3H),9'-[9H]xanthene)-3-one; (Solvent Red 73) and its sodium salt (Acid Red 95; CI 45425) when used as a substance in hair dye products              | 254-010-7 | 38577-97-8 |  |  |  |  |  |  |  |  |  |  |  |  | 13<br>36   |          |
| 3',6'-dihydroxy-2',4',5',7'-tetraiodospiro[isobenzofuran-1(3H),9'-           | 240-046-0 | 15905-32-5 | 2',4',5',7'-Tetraiodofluorescein, its disodium salt (Acid Red 51; CI 45430) and its aluminium salt (Pigment   | 240-046-0 | 15905-32-5 |  |  |  |  |  |  |  |  |  |  |  |  | 13<br>37   |          |

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| [9H]xanthene-3-one  |           |            | Red 172 Aluminium lake) when used as a substance in hair dye products  |            |            |   |  |  |  |  |  |  |  |  |  |  |  |          |
| 2,4-diaminophenol   | 202-459-4 | 95-86-3    | 1-Hydroxy-2,4-diaminobenzene (2,4-Diaminophenol) and its dihydrochloride salts (2,4-Diaminophenol HCl) when used as a substance in hair dye products | 202-459-4  | 95-86-3    |   |  |  |  |  |  |  |  |  |  |  |  | 13<br>38 |
| 4-hydroxym-phenylenediammonium dichloride                           | 205-279-4 | 137-09-7   | 1-Hydroxy-2,4-diaminobenzene (2,4-Diaminophenol) and its dihydrochloride salts (2,4-Diaminophenol HCl) when used as a substance in hair dye products | 205-279-4  | 137-09-7   |   |  |  |  |  |  |  |  |  |  |  |  | 13<br>38 |
| Hydroquinone  | 204-617-8 | 123-31-9   | 1,4-Dihydroxybenzene (Hydroquinone), with the exception of entry 14 in Annex III, Hydroquinone (4)   | 204-617-8  | 123-31-9   | y |  |  |  |  |  |  |  |  |  |  |  | 13<br>39 |
| 2,2'-oxydiethanol   | 203-872-2 | 111-46-6   | Diethylene glycol (DEG); 2,2'-oxydiethanol for traces level, see Annex III, 2,2'-oxydiethanol Diethylene glycol (DEG), Diethyleneglycol              | 203-872-2, | 111-46-6   | y |  |  |  |  |  |  |  |  |  |  |  | 13<br>70 |
| Phytomenadione  | 201-564-2 | 84-80-0    | Phytonadione [INCI] / phytomenadione [INN]   | 201-564-2  | 84-80-0    |   |  |  |  |  |  |  |  |  |  |  |  | 13<br>71 |
| 2-methyl-3-(3,7,11,15-tetramethylhexadec-2-enyl)-1,4-naphthoquinone | 279-833-9 | 81818-54-4 | Phytonadione [INCI] / phytomenadione [INN]   | 279-833-9  | 81818-54-4 |   |  |  |  |  |  |  |  |  |  |  |  | 13<br>71 |
| 2-aminophenol   | 202-431-1 | 95-55-6    | 2-Aminophenol (o-Aminophenol; CI 76520) and its salts  | 202-431-1  | 95-55-6    | y |  |  |  |  |  |  |  |  |  |  |  | 13<br>72 |
| Bis[(2-hydroxyphenyl)ammonium] sulphate                             | 267-335-4 | 67845-79-8 | 2-Aminophenol (o-Aminophenol; CI 76520) and its salts  | 267-335-4  | 67845-79-8 |   |  |  |  |  |  |  |  |  |  |  |  | 13<br>72 |



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|  |           |  | 2-Aminophenol (o-Aminophenol; CI 76520) and its salts  | 202-431-1                             | 95-55-6                                  |   |  |  |  |  |  | 13<br>72             |  |  |  |  |  |   |
| 2-Aminophenol Hydrochloride  | 621-209-9 | 51-19-4  | 2-Aminophenol (o-Aminophenol; CI 76520) and its salts  |                                       | 51-19-4                                  |   |  |  |  |  |  | 13<br>72             |  |  |  |  |  |   |
|  |           |  | N-(2-Nitro-4-aminophenyl)-allylamine (HC Red No 16) and its salts  |                                       | 160219-76-1                              |   |  |  |  |  |  | 13<br>73             |  |  |  |  |  |   |
| Isopropyl 4-hydroxybenzoate  | 224-069-3 | 4191-73-5  | Isopropyl 4-hydroxybenzoate (INCI: Isopropylparaben) Sodium salt or Salts of Isopropylparaben, Isopropylparaben  | 224-069-3,                            | 4191-73-5                                | y |  |  |  |  |  | 13<br>74             |  |  |  |  |  | y |
| Isobutyl 4-hydroxybenzoate   | 224-208-8 | 4247-02-3  | Isobutyl 4-hydroxybenzoate (INCI: Isobutylparaben) Sodium salt or Salts of Isobutylparaben, Isobutylparaben  | 224-208-8,                            | 4247-02-3                                | y |  |  |  |  |  | 13<br>75             |  |  |  |  |  | y |
| Sodium isobutyl 4-oxidobenzoate                                    | 284-595-4 | 84930-15-4   | Sodium salt or Salts of Isobutylparaben  | 284-595-4                             | 84930-15-4                               |   |  |  |  |  |  | 13<br>75             |  |  |  |  |  |   |
| Phenyl 4-hydroxybenzoate   | 241-698-9 | 17696-62-7   | Phenyl 4-hydroxybenzoate (INCI: Phenylparaben)   | 241-698-9                             | 17696-62-7                               |   |  |  |  |  |  | 13<br>76             |  |  |  |  |  |   |
| Benzyl 4-hydroxybenzoate   | 202-311-9 | 94-18-8  | Benzyl 4-hydroxybenzoate (INCI: Benzylparaben)   |                                       | 94-18-8                                  | y |  |  |  |  |  | 13<br>77             |  |  |  |  |  |   |
| Pentyl 4-hydroxybenzoate   | 229-408-9 | 6521-29-5  | Pentyl 4-hydroxybenzoate (INCI: Pentyparaben)  | 229-408-9                             | 6521-29-5                                |   |  |  |  |  |  | 13<br>78             |  |  |  |  |  |   |
| Butyl 2-[[4-[[5-(trifluoromethyl)-2-pyridyl]oxy]phenoxy]propionate | 274-125-6 | 69806-50-4,<br>79241-46-6                              | Fluazifop-butyl, Fluazifop-P-butyl (ISO)   | 274-125-6,                            | 69806-50-4,<br>79241-46-6                |   |  |  |  |  |  | 73<br>9,1<br>10<br>3 |  |  |  |  |  | y |
| Distillates (petroleum), hydrotreated middle                       | 265-148-2 | 8042-47-5,<br>64742-46-7,<br>72623-86-0,<br>97862-82-3 | Distillates (petroleum), hydrotreated middle, except if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen, Lubricating oils (petroleum), | 265-148-2,<br>276-737-9,<br>308-132-3 | 64742-46-7,<br>72623-86-0,<br>97862-82-3 | y |  |  |  |  |  |                      |  |  |  |  |  | y |

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|  |           |           |   |            |           |   |  |  |  |  |  |  |  |  |  |  |  |                |
|--|-----------|-----------|---|------------|-----------|---|--|--|--|--|--|--|--|--|--|--|--|----------------|
|  |           |           | C15-30, hydrotreated neutral oil-based, if they contain > 3 % w/w DMSO extract, Hydrocarbons, C17-30, hydrotreated distillates, distn. Lights, if they contain > 3 % w/w DMSO extract   |            |           |   |  |  |  |  |  |  |  |  |  |  |  |                |
| Sodium 4-(2,4-dihydroxyphenylazo)benzenesulphonate   | 208-924-8 | 547-57-9  | 4-(2,4-Dihydroxyphenylazo)benzenesulphonic acid and its sodium salt (Acid Orange 6; CI 14270) when used as substance in hair dye products, Sodium 4-(2,4-dihydroxyphenylazo)benzenesulphonate   | 208-924-8  | 547-57-9  |   |  |  |  |  |  |  |  |  |  |  |  | 13<br>30.<br>0 |
| Disodium 3-[(2,4-dimethyl-5-sulphonatophenyl)azo]-4-hydroxynaphthalene-1-sulphonate                                      | 224-909-9 | 4548-53-2 | Disodium 3-[(2,4-dimethyl-5-sulphonatophenyl)azo]-4-hydroxynaphthalene-1-sulphonate (Ponceau SX; CI 14700) when used as a substance in hair dye products, Disodium 3-[(2,4-dimethyl-5-sulphonatophenyl)azo]-4-hydroxynaphthalene-1-sulphonate | 224-909-9  | 4548-53-2 | Y |  |  |  |  |  |  |  |  |  |  |  | 13<br>41.<br>0 |
| 4-(phenylazo)resorcinol  | 218-131-9 | 2051-85-6 | 4-(Phenylazo)resorcinol (Solvent Orange 1; CI 11920) and its salts when used as a substance in hair dye products, 4-(Phenylazo)resorcinol   | 218-131-9  | 2051-85-6 |   |  |  |  |  |  |  |  |  |  |  |  | 13<br>43.<br>0 |
| N-(5-chloro-2,4-dimethoxyphenyl)-4-[[5-[(diethylamino)sulphonyl]-2-methoxyphenyl]azo]-3-hydroxynaphthalene-2-carboxamide | 229-107-2 | 6410-41-9 | N-(5-Chloro-2,4-dimethoxyphenyl)-4-[[5-[(diethylamino)sulphonyl]-2-methoxyphenyl]azo]-3-hydroxynaphthalene-2-carboxamide (Pigment Red   | 229-107-2, | 6410-41-9 | y |  |  |  |  |  |  |  |  |  |  |  | 13<br>47.<br>0 |

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|   |           |           |   |            |            |   |  |  |  |  |                |  |  |  |   |
|---|-----------|-----------|---|------------|------------|---|--|--|--|--|----------------|--|--|--|---|
|   |           |           | 5; CI 12490) and its salts when used as a substance in hair dye products, N-(5-Chloro-2,4-dimethoxyphenyl)-4-[[[5-[[diethylamino)sulphonyl]-2-methoxyphenyl]azo]-3-hydroxynaphthalene-2-carboxamide, Pigment red 5  |            |            |   |  |  |  |  |                |  |  |  |   |
| Disodium 4-[(5-chloro-4-methyl-2-sulphonatophenyl)azo]-3-hydroxy-2-naphthoate   | 222-642-2 | 3564-21-4 | Disodium 4-[(5-chloro-4-methyl-2-sulphonatophenyl)azo]-3-hydroxy-2-naphthoate (Pigment Red 48; CI 15865) when used as a substance in hair dye products, Disodium 4-[(5-chloro-4-methyl-2-sulphonatophenyl)azo]-3-hydroxy-2-naphthoate and its insoluble barium, strontium and zirconium lakes, salts and pigments | 222-642-2  | 3564-21-4  |   |  |  |  |  | 13<br>48.<br>0 |  |  |  |   |
| Calcium 3-hydroxy-4-[(1-sulphonato-2-naphthyl)azo]-2-naphthoate   | 229-142-3 | 6417-83-0 | Calcium 3-hydroxy-4-[(1-sulphonato-2-naphthyl)azo]-2-naphthoate (Pigment Red 63:1; CI 15880) when used as a substance in hair dye products, Calcium 3-hydroxy-4-[(1-sulphonato-2-naphthyl)azo]-2-naphthoate, Pigment red 63:1   | 229-142-3, | 6417-83-0  | y |  |  |  |  | 13<br>49.<br>0 |  |  |  | y |
| Tetrasodium 6-amino-4-hydroxy-3-[[[7-sulphonato-4-[(4-sulphonatophenyl)azo]-1-naphthyl]azo]naphthalene-2,7-disulphonate | 218-326-9 | 2118-39-0 | Tetrasodium 6-amino-4-hydroxy-3-[[[7-sulphonato-4-[(4-sulphonatophenyl)azo]-1-naphthyl]azo]naphthalene-2,7-disulphonate (Food Black 2; CI 27755) when used as a substance in hair dye   | 218-326-9  | 2118-39-0, |   |  |  |  |  | 13<br>54.<br>0 |  |  |  | y |

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|   |               |               |   |               |               |   |  |  |  |  |  |  |  |                |  |
|---|---------------|---------------|---|---------------|---------------|---|--|--|--|--|--|--|--|----------------|--|
|   |               |               | products,<br>Tetrasodium<br>6-amino-4-<br>hydroxy-3-[[7-<br>sulphonato-4-<br>[(4-<br>sulphonatophe<br>nyl)azo]-1-<br>naphthyl]azo]<br>naphthalene-<br>2,7-<br>disulphonate,<br>Pigment black<br>2   |               |               |   |  |  |  |  |  |  |  |                |  |
| Dihydrogen<br>(ethyl)[4-[4-<br>[ethyl(3-<br>sulphonatob<br>enzyl)amino<br>(4-hydroxy-<br>2-<br>sulphonatob<br>enzhydride<br>ne]cyclohex<br>a-2,5-dien-<br>1-<br>ylidene)(3-<br>sulphonatob<br>enzyl)ammonium,<br>disodium<br>salt | 219-<br>091-5 | 2353-<br>45-9 | Benzenemetha<br>naminium, N-<br>ethyl-N-(4-<br>((4-(ethyl((3-<br>sulfophenyl)m<br>ethyl)amino)p<br>henyl)(4-<br>hydroxy-2-<br>sulfophenyl)m<br>ethylene)-2,5-<br>cyclohexadien-<br>1-ylidene)-3-<br>sulfo-,<br>hydroxide,<br>inner salt,<br>disodium salt<br>(Fast Green<br>FCF; CI<br>42053) when<br>used as a<br>substance in<br>hair dye<br>products,<br>Benzene-<br>methanaminium,<br>N-ethyl-N-<br>(4-((4-<br>(ethyl((3-<br>sulfophenyl)m<br>ethyl)amino)p<br>henyl)(4-<br>hydroxy-2-<br>sulfophenyl)m<br>ethylene)-2,5-<br>cyclohexadien-<br>1-ylidene)-3-<br>sulfo-,<br>hydroxide,<br>inner salt,<br>disodium salt | 219-<br>091-5 | 2353-<br>45-9 | y |  |  |  |  |  |  |  | 13<br>57.<br>0 |  |
| 1,2-<br>dihydroxyan<br>thraquinone  | 200-<br>782-5 | 72-48-0       | 1,2-<br>Dihydroxyanth<br>raquinone<br>(Pigment Red<br>83; CI 58000)<br>when used as<br>a substance in<br>hair dye<br>products, 1,2-<br>Dihydroxyanth<br>raquinone   | 200-<br>782-5 | 72-48-0       |   |  |  |  |  |  |  |  | 13<br>61.<br>0 |  |
| 1-hydroxy-<br>4-(p-<br>toluidino)ant<br>hraquinone  | 201-<br>353-5 | 81-48-1       | 1-Hydroxy-4-<br>(p-<br>toluidino)anthr<br>aquinone<br>(Solvent Violet<br>13; CI 60725)<br>when used as<br>a substance in<br>hair dye<br>products, 1-<br>Hydroxy-4-(p-<br>toluidino)anthr<br>aquinone  | 201-<br>353-5 | 81-48-1       |   |  |  |  |  |  |  |  | 13<br>63.<br>0 |  |

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|   |           |           |   |            |           |   |  |  |  |  |        |  |  |  |  |   |
|---|-----------|-----------|---|------------|-----------|---|--|--|--|--|--------|--|--|--|--|---|
| 1,4-bis(p-tolylamino)anthraquinone  | 204-909-5 | 128-80-3  | 1,4-bis(p-Tolylamino)anthraquinone (Solvent Green 3; CI 61565) when used as a substance in hair dye products, 1,4-bis(p-Tolylamino)anthraquinone  | 204-909-5  | 128-80-3  | y |  |  |  |  | 1364.0 |  |  |  |  |   |
| 6-chloro-2-(6-chloro-4-methyl-3-oxobenzo[b]thien-2(3H)-ylidene)-4-methylbenzo[b]thiophene-3(2H)-one | 219-163-6 | 2379-74-0 | 6-Chloro-2-(6-chloro-4-methyl-3-oxobenzo[b]thien-2(3H)-ylidene)-4-methylbenzo[b]thiophene-3(2H)-one (VAT Red 1; CI 73360) when used as a substance in hair dye products, 6-Chloro-2-(6-chloro-4-methyl-3-oxobenzo[b]thien-2(3H)-ylidene)-4-methylbenzo[b]thiophene-3(2H)-one, Pigment red 181 | 219-163-6, | 2379-74-0 | y |  |  |  |  | 1365.0 |  |  |  |  | y |
| 29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32)copper   | 205-685-1 | 147-14-8  | (29H,31H-Phthalocyaninato(2-)-N29,N30,N31,N32)copper (Pigment Blue 15; CI 74160) when used as a substance in hair dye products, (29H,31H-Phthalocyaninato(2-)-N29,N30,N31,N32)copper, Pigment blue 15   | 205-685-1, | 147-14-8  | y |  |  |  |  | 1367.0 |  |  |  |  | y |

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Supplementary Table D: Substances proposed to be restricted due their use restriction in CPR Annex IV column g<sup>10</sup>

| ECHA public  |           |            | Other Public   |            |            | Descripti<br>on(s)       | CI<br># | R<br>e<br>g<br>11 | T<br>bl<br>3<br>12 | A-<br>II<br>#<br>13 | CPR Annex IV |  | T<br>I<br>14 |
|--|-----------|------------|--|------------|------------|--------------------------|---------|-------------------|--------------------|---------------------|--------------|--|--------------|
| Substance Name   | EC #      | CAS<br>#   | Substance Name   | EC #       | CAS<br>#   |                          |         |                   |                    |                     | #            | use restriction<br>(column g)                          |              |
| Sodium tris(1,2-naphthoquinone 1-oximato-O,O')ferrate(1-)          | 240-299-7 | 16143-80-9 | Sodium tris(1,2-naphthoquinone 1-oximato-O,O')ferrate(1-)  | 240-299-7  | 16143-80-9 | CI 10006/Green           | 10006   | y                 |                    |                     | 1            | Rinse-off products                                     |              |
| Disodium 5,7-dinitro-8-oxidonaphthalene-2-sulphonate               | 212-690-2 | 846-70-8   | Disodium 5,7-dinitro-8-oxido-2-naphthalenesulfonate CI 10316, Disodium 5,7-dinitro-8-oxidonaphthalene-2-sulphonate and its insoluble barium, strontium and zirconium lakes, salts and pigments | 212-690-2  | 846-70-8   | CI 10316 / ACID YELLOW 1 | 10316   |                   |                    |                     | 3            | Not to be used in eye products                         |              |
| Barium 8-hydroxy-5,7-dinitronaphthalene-2-sulphonate (1:1)         | 259-662-6 | 55482-31-0 | Disodium 5,7-dinitro-8-oxidonaphthalene-2-sulphonate and its insoluble barium, strontium and zirconium lakes, salts and pigments   | 259-662-6  | 55482-31-0 | CI 10316/Yellow          | 10316   |                   |                    |                     | 3            | Not to be used in eye products                         |              |
| 8-hydroxy-5,7-dinitronaphthalene-2-sulphonic acid, aluminium salt  | 282-945-0 | 84473-89-2 | Disodium 5,7-dinitro-8-oxidonaphthalene-2-sulphonate and its insoluble barium, strontium and zirconium lakes, salts and pigments   | 282-945-0  | 84473-89-2 | CI 10316/Yellow          | 10316   |                   |                    |                     | 3            | Not to be used in eye products                         |              |
|  |           |            | Disodium 5,7-dinitro-8-oxidonaphthalene-2-sulphonate and its insoluble barium, strontium and zirconium lakes, salts and pigments   |            | 549-34-8   |                          |         |                   |                    |                     | 3            | Not to be used in eye products                         |              |
|  |           |            | Disodium 5,7-dinitro-8-oxidonaphthalene-2-sulphonate and its insoluble barium, strontium and zirconium lakes, salts and pigments   |            | 68698-86-2 |                          |         |                   |                    |                     | 3            | Not to be used in eye products                         |              |
| 2-[(4-methyl-2-nitrophenyl)azo]-3-oxo-N-phenylbutyramide           | 219-730-8 | 2512-29-0  | 2-[(4-Methyl-2-nitrophenyl)azo]-3-oxo-N-phenylbutyramide, Pigment yellow 1   | 219-730-8, | 2512-29-0  | CI 11680/Yellow          | 11680   | y                 |                    |                     | 4            | Not to be used in products applied on mucous membranes | y            |
| 2-[(4-chloro-2-nitrophenyl)azo]-N-(2-chlorophenyl)-3-oxobutyramide | 229-355-1 | 6486-23-3  | 2-[(4-Chloro-2-nitrophenyl)azo]-N-(2-chlorophenyl)-3-oxobutyramide, Pigment yellow 3   | 229-355-1, | 6486-23-3  | CI 11710/Yellow          | 11710   | y                 |                    |                     | 5            | Not to be used in products applied on mucous membranes | y            |
| 2-[(4-methoxy-2-nitrophenyl)azo]-3-oxo-N-(o-tolyl)butyramide       | 228-901-6 | 6371-96-6  | 2-[(4-Methoxy-2-nitrophenyl)azo]-3-oxo-N-(o-tolyl)butyramide   | 228-901-6  | 6371-96-6  | CI 11725/Orange          | 11725   |                   |                    |                     | 6            | Rinse-off products                                     |              |

<sup>10</sup> Extraction as of 12/08/2016 from Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products

<sup>11</sup> Registered under REACH

<sup>12</sup> CoE ResAP(2008)1, Table 3 entry number

<sup>13</sup> CPR Annex II entry number

<sup>14</sup> Present in tattoo inks as per JRC report (JRC. 2015b)

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|   |           |           |  |            |                    |                          |               |   |  |  |        |  |   |
|---|-----------|-----------|--|------------|--------------------|--------------------------|---------------|---|--|--|--------|--|---|
| 1-(4-methyl-2-nitrophenylazo)-2-naphthol  | 219-372-2 | 2425-85-6 | 1-[(4-Methyl-2-nitrophenyl)azo]-2-naphthol, Pigment red 3  | 219-372-2, | 2425-85-6          | CI 12120/Red             | 12<br>12<br>0 | y |  |  | 1<br>0 | Rinse-off products   | y |
| 2-(propyloxy)ethanol <sup>15</sup>  | 220-548-6 | 2807-30-9 | 1-[(4-Methyl-2-nitrophenyl)azo]-2-naphthol   | 219-372-2  | 2425-85-6          |                          |               | y |  |  | 1<br>0 | Rinse-off products   |   |
| N-(4-chloro-2-methylphenyl)-4-[(4-chloro-2-methylphenyl)azo]-3-hydroxynaphthalene-2-carboxamide | 229-315-3 | 6471-51-8 | N-(4-Chloro-2-methylphenyl)-4-[(4-chloro-2-methylphenyl)azo]-3-hydroxynaphthalene-2-carboxamide, Pigment red 7                     | 229-315-3, | 6471-51-8          | CI 12420/Red             | 12<br>42<br>0 |   |  |  | 1<br>2 | Rinse-off products   | y |
| 4-[(2,5-dichlorophenyl)azo]-N-(2,5-dimethoxyphenyl)-3-hydroxynaphthalene-2-carboxamide          | 229-106-7 | 6410-40-8 | 4-[(2,5-Dichlorophenyl)azo]-N-(2,5-dimethoxyphenyl)-3-hydroxynaphthalene-2-carboxamide   | 229-106-7  | 6410-40-8          | CI 12480/Red             | 12<br>48<br>0 |   |  |  | 1<br>3 | Rinse-off products   |   |
| 2,4-dihydro-5-methyl-2-phenyl-4-(phenylazo)-3H-pyrazol-3-one                                    | 224-330-1 | 4314-14-1 | 2,4-Dihydro-5-methyl-2-phenyl-4-(phenylazo)-3H-pyrazol-3-one   | 224-330-1  | 4314-14-1          | CI 12700/Yellow          | 12<br>70<br>0 | y |  |  | 1<br>5 | Rinse-off products   |   |
| Sodium 4-[(2-hydroxy-1-naphthyl)azo]benzenesulphonate   | 211-199-0 | 633-96-5  | Sodium 4-[(2-hydroxy-1-naphthyl)azo]benzenesulphonate and its insoluble barium, strontium and zirconium lakes, salts and pigments  | 211-199-0  | 633-96-5           | CI 15510 / ACID ORANGE 7 | 15<br>51<br>0 | y |  |  | 2<br>1 | Not to be used in eye products                                       |   |
| Sodium 4-(2-hydroxy-1-naphthylazo)naphthalenesulphonate   | 216-760-3 | 1658-56-6 | Sodium 4-[(2-Hydroxy-1-naphthyl)azo]naphthalenesulphonate  | 216-760-3  | 1658-56-6          | CI 15620/Red             | 15<br>62<br>0 |   |  |  | 2<br>4 | Rinse-off products   |   |
| Disodium 7-hydroxy-8-phenylazonaphthalene-1,3-disulphonate                                      | 217-705-6 | 1936-15-8 | Disodium 7-hydroxy-8-(phenylazo)naphthalene-1,3-disulphonate   | 217-705-6  | 1936-15-8          | CI 16230/Orange          | 16<br>23<br>0 |   |  |  | 3<br>4 | Not to be used in products applied on mucous membranes               |   |
| Disodium 5-acetylamino-4-hydroxy-3-(phenylazo)naphthalene-2,7-disulphonate                      | 223-098-9 | 3734-67-6 | Disodium 5-acetylamino-4-hydroxy-3-(phenylazo)naphthalene-2,7-disulphonate   | 223-098-9  | 3734-67-6          | CI 18050/Red             | 18<br>05<br>0 | y |  |  | 3<br>8 | Not to be used in products applied on mucous membranes <sup>16</sup> |   |
|   |           |           | 2,7-Naphthalenedisulfonic acid, 3-((4-cyclohexyl-2-methylphenyl)azo)-4-hydroxy-5-(((4-methylphenyl)sulfonyl)amino)-, disodium salt |            | 1023<br>6-<br>37-0 |                          |               |   |  |  | 3<br>9 | Rinse-off products   |   |

<sup>15</sup> With harmonised classification as Acute Tox. 4, Eye Irrit. 2 as per CLP Regulation

<sup>16</sup> Purity criteria as set out in Commission Directive 95/ 45/EC (E 128)

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|   |           |             |   |            |             |                 |       |   |    |                                  |
|---|-----------|-------------|---|------------|-------------|-----------------|-------|---|----|----------------------------------|
| Hydrogen bis[2-[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)azo]benzoato(2-)]chromate(1-)                                      | 227-022-5 | 5601-29-6   | Hydrogen bis[2-[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)azo]benzoato(2-)]chromate(1-)                                      | 227-022-5  | 5601-29-6   | CI 18690/Yellow | 1869  | y | 40 | Rinse-off products               |
| Disodium hydrogen bis[5-chloro-3-[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)azo]-2-hydroxybenzenesulphonato(3-)]chromate(3-) | 229-051-9 | 6408-26-0   | Disodium hydrogen bis[5-chloro-3-[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)azo]-2-hydroxybenzenesulphonato(3-)]chromate(3-) | 229-051-9  | 6408-26-0   | CI 18736/Red    | 18736 |   | 41 | Rinse-off products               |
| Sodium 4-(3-hydroxy-5-methyl-4-phenylazopyrazol-2-yl)benzenesulphonate  | 228-808-0 | 6359-82-6   | Sodium 4-(3-hydroxy-5-methyl-4-phenylazopyrazol-2-yl)benzenesulphonate  | 228-808-0  | 6359-82-6   | CI 18820/Yellow | 18820 |   | 42 | Rinse-off products               |
| N,N'-(3,3'-dimethyl[1,1'-biphenyl]-4,4'-diyl)bis[2-[(2,4-dichlorophenyl)azo]-3-oxobutyramide]   | 227-783-3 | 5979-28-2   | N,N'-(3,3'-Dimethyl[1,1'-biphenyl]-4,4'-diyl)bis[2-[(2,4-dichlorophenyl)azo]-3-oxobutyramide]   | 227-783-3  | 5979-28-2   | CI 20040/Yellow | 20040 |   | 45 | Rinse-off products <sup>17</sup> |
| Sodium 4-amino-5-hydroxy-3-(4-nitrophenylazo)-6-(phenylazo)naphthalene-2,7-disulphonate   | 213-903-1 | 1064-48-8   | Sodium 4-amino-5-hydroxy-3-[(4-nitrophenyl)azo]-6-(phenylazo)naphthalene-2,7-disulphonate   | 213-903-1  | 1064-48-8   | CI 20470/Yellow | 20470 |   | 46 | Rinse-off products               |
| 4-amino-5-hydroxy-3-[(4-nitrophenyl)azo]-6-(phenylazo)naphthalene-2,7-disulphonic acid, sodium salt                                     | 280-105-8 | 8300-6-55-7 | Sodium 4-amino-5-hydroxy-3-[(4-nitrophenyl)azo]-6-(phenylazo)naphthalene-2,7-disulphonate   | 280-105-8  | 8300-6-55-7 | CI 20470/Yellow | 20470 |   | 46 | Rinse-off products               |
|   |           |             | Sodium 4-amino-5-hydroxy-3-[(4-nitrophenyl)azo]-6-(phenylazo)naphthalene-2,7-disulphonate   |            | 8529-4-31-1 |                 |       |   | 46 | Rinse-off products               |
| 2,2'-[(3,3'-dichloro[1,1'-biphenyl]-4,4'-diyl)bis(azo)]bis[N-(4-chloro-2,5-dimethoxyphenyl)-3-oxobutyramide]                            | 226-939-8 | 5567-15-7   | 2,2'-[(3,3'-Dichloro[1,1'-biphenyl]-4,4'-diyl)bis(azo)]bis[N-(4-chloro-2,5-dimethoxyphenyl)-3-oxobutyramide], Pigment yellow 83         | 226-939-8, | 5567-15-7   | CI 21108/Yellow | 21108 | y | 48 | Rinse-off products <sup>18</sup> |

<sup>17</sup> Other restrictions in CPR Annex IV column h: Maximum 3,3'-dimethylbenzidine concentration in the colouring agent: 5 ppm

<sup>18</sup> Other restrictions in Annex IV column h: Maximum 3,3'-dimethylbenzidine concentration in the colouring agent: 5 ppm



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|   |           |            |  |           |            |                 |       |   |  |  |    |                    |
|---|-----------|------------|--|-----------|------------|-----------------|-------|---|--|--|----|--------------------|
| Disodium 4,6-dihydroxy-3-[[4-[1-[4-[[1-hydroxy-7-[(phenylsulphonyloxy)-3-sulphonato-2-naphthyl]azo]phenyl]cyclohexyl]phenyl]azo]naphthalene-2-sulphonate  | 236-531-1 | 13421-53-9 | Disodium 4,6-dihydroxy-3-[[4-[1-[4-[[1-hydroxy-7-[(phenylsulphonyloxy)-3-sulphonato-2-naphthyl]azo]phenyl]cyclohexyl]phenyl]azo]naphthalene-2-sulphonate | 236-531-1 | 13421-53-9 | CI 24790/Red    | 24790 |   |  |  | 50 | Rinse-off products |
| Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-nitro-, disodium salt, reaction products with 4-[(4-aminophenyl)azo]benzenesulfonic acid, sodium salts   | 215-397-8 | 1325-54-8  | Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis-5-nitro-, disodium salt, reaction products with 4-[(4-aminophenyl)azo]benzenesulfonic acid, sodium salts  | 215-397-8 | 1325-54-8  | CI 40215/Orange | 40215 | y |  |  | 54 | Rinse-off products |
| Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-nitro-, disodium salt, reaction products with 4-[(4-aminophenyl)azo]benzenesulfonic acid monosodium salt | 256-783-6 | 50814-31-8 | Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis-5-nitro-, disodium salt, reaction products with 4-[(4-aminophenyl)azo]benzenesulfonic acid, sodium salts  | 256-783-6 | 50814-31-8 | CI 40215/Orange | 40215 |   |  |  | 54 | Rinse-off products |
|   |           |            | Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis-5-nitro-, disodium salt, reaction products with 4-[(4-aminophenyl)azo]benzenesulfonic acid, sodium salts  | 215-397-8 | 1325-54-8  |                 |       |   |  |  | 54 | Rinse-off products |
| Hydrogen (benzyl)[4-[[4-[benzylethylamino]phenyl](2,4-disulphonatophenyl)methylene]cyclohexa-2,5-dien-1-ylidene](ethyl)ammonium, sodium salt              | 222-476-0 | 3486-30-4  | Hydrogen (benzyl)[4-[[4-[benzylethylamino]phenyl](2,4-disulphonatophenyl)methylene]cyclohexa-2,5-dien-1-ylidene](ethyl)ammonium, sodium salt             | 222-476-0 | 3486-30-4  | CI 42080/Blue   | 42080 | y |  |  | 62 | Rinse-off products |
| Hydrogen [4-[(2-chlorophenyl)[4-[ethyl(3-sulphonatobenzyl)amino]phenyl]methylene]cyclohexa-2,5-dien-1-ylidene](ethyl)(3-                                  | 225-458-0 | 4857-81-2  | Hydrogen [4-[(2-chlorophenyl)[4-[ethyl(3-sulphonatobenzyl)amino]phenyl]methylene]cyclohexa-2,5-dien-1-ylidene](ethyl)(3-                                 | 225-458-0 | 4857-81-2  | CI 42100/Green  | 42100 |   |  |  | 64 | Rinse-off products |

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|---|-----------|-----------|--|-----------|-----------|---------------------------------|---------------|--|--|--|--------|--|
| Hydrogen [4-[(2-chlorophenyl)[4-[ethyl(3-sulphonatobenzyl)amino]-o-tolyl]methylene]-3-methylcyclohexa-2,5-dien-1-ylidene](ethyl)(3-sulphonatobenzyl)ammonium, sodium salt         | 227-513-4 | 5863-51-4 | Hydrogen [4-[(2-chlorophenyl)[4-[ethyl(3-sulphonatobenzyl)amino]-o-tolyl]methylene]-3-methylcyclohexa-2,5-dien-1-ylidene](ethyl)(3-sulphonatobenzyl)ammonium, sodium salt  | 227-513-4 | 5863-51-4 | CI 42170/<br>Green              | 42<br>17<br>0 |  |  |  | 6<br>5 | Rinse-off products                                     |
| 4-[(4-amino-m-tolyl)(4-imino-3-methylcyclohexa-2,5-dien-1-ylidene)methyl]-o-toluidine monohydrochloride   | 221-831-7 | 3248-91-7 | 4-((4-Amino-3-methylphenyl)(4-imino-3-methyl-2,5-cyclohexadien-1-ylidene)methyl)-2-methylphenylamine monohydrochloride (CI 42520), 4-[(4-Amino-m-tolyl)(4-imino-3-methylcyclohexa-2,5-dien-1-ylidene)methyl]-o-toluidine monohydrochloride | 221-831-7 | 3248-91-7 | CI 42520<br>/ BASIC<br>VIOLET 2 | 42<br>52<br>0 |  |  |  | 6<br>7 | Rinse-off products                                     |
|   |           |           | 4-((4-Amino-3-methylphenyl)(4-imino-3-methyl-2,5-cyclohexadien-1-ylidene)methyl)-2-methylphenylamine monohydrochloride (CI 42520), 4-[(4-Amino-m-tolyl)(4-imino-3-methylcyclohexa-2,5-dien-1-ylidene)methyl]-o-toluidine monohydrochloride | 221-831-7 | 3248-91-7 |                                 |               |  |  |  | 6<br>7 | Rinse-off products                                     |
| Hydrogen [4-[[4-(diethylamino)phenyl][4-[ethyl(3-sulphonatobenzyl)amino]-o-tolyl]methylene]-3-methylcyclohexa-2,5-dien-1-ylidene](ethyl)(3-sulphonatobenzyl)ammonium, sodium salt | 229-390-2 | 6505-30-2 | Hydrogen [4-[[4-(diethylamino)phenyl][4-[ethyl(3-sulphonatobenzyl)amino]-o-tolyl]methylene]-3-methylcyclohexa-2,5-dien-1-ylidene](ethyl)(3-sulphonatobenzyl)ammonium, sodium salt  | 229-390-2 | 6505-30-2 | CI 42735/<br>Blue               | 42<br>73<br>5 |  |  |  | 6<br>8 | Not to be used in products applied on mucous membranes |
| Hydrogen 3,6-bis(diethylamino)-9-(2,4-disulphonatophenyl)xanthylum, sodium salt   | 222-529-8 | 3520-42-1 | Hydrogen 3,6-bis(diethylamino)-9-(2,4-disulphonatophenyl)xanthylum, sodium salt (18); (CI 45100), Hydrogen 3,6-bis(diethylamino)-9-(2,4-disulphonatophenyl)xanthylum, sodium salt  | 222-529-8 | 3520-42-1 | CI 45100<br>/ ACID<br>RED 52    | 45<br>10<br>0 |  |  |  | 7<br>1 | Rinse-off products                                     |
| Hydrogen 9-(2,4-disulphonatophenyl)-3,6-bis(ethylamino)-2,7-dimethylxanthylum, monosodium salt  | 227-528-6 | 5873-16-5 | Hydrogen 9-(2,4-disulphonatophenyl)-3,6-bis(ethylamino)-2,7-dimethylxanthylum, monosodium salt   | 227-528-6 | 5873-16-5 | CI 45220/<br>red                | 45<br>22<br>0 |  |  |  | 7<br>3 | Rinse-off products                                     |

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|--|-----------|-------------|---|-----------|-------------|---------------------------|---------------|--|--|--|---|-------------|--|---|
| Dipotassium 3,6-dichloro-2-(2,4,5,7-tetrabromo-6-oxido-3-oxoxanthen-9-yl)benzoate                              | 229-225-4 | 6441-77-6   | Dipotassium 3,6-dichloro-2-(2,4,5,7-tetrabromo-6-oxido-3-oxoxanthen-9-yl)benzoate   | 229-225-4 | 6441-77-6   | CI 45405/Red              | 45<br>40<br>5 |  |  |  |   | 7<br>8      | Not to be used in eye products <sup>19</sup>           |   |
| Hydrogen 9-[(3-methoxyphenyl)amino]-7-phenyl-5-(phenylamino)-4,10-disulphonatobenzo[a]phenazinium, sodium salt | 229-951-1 | 6856-08-2   | Hydrogen 9-[(3-methoxyphenyl)amino]-7-phenyl-5-(phenylamino)-4,10-disulphonatobenzo[a]phenazinium, sodium salt  | 229-951-1 | 6856-08-2   | CI 50325/Violet           | 50<br>32<br>5 |  |  |  |   | 8<br>3      | Rinse-off products                                     |   |
| 1-anilino-4-hydroxyanthraquinone   | 242-939-0 | 1928-6-75-0 | 1-Anilino-4-hydroxyanthraquinone  | 242-939-0 | 1928-6-75-0 | CI 60724/Violet           | 60<br>72<br>4 |  |  |  |   | 8<br>8      | Rinse-off products                                     |   |
| Sodium 4-[(9,10-dihydro-4-hydroxy-9,10-dioxo-1-anthryl)amino]toluene-3-sulphonate                              | 224-618-7 | 4430-18-6   | Sodium 4-[(9,10-dihydro-4-hydroxy-9,10-dioxo-1-anthryl)amino]toluene-3-sulphonate   | 224-618-7 | 4430-18-6   | CI 60730 / ACID VIOLET 43 | 60<br>73<br>0 |  |  |  | y | 9<br>0      | Not to be used in products applied on mucous membranes |   |
| Sodium 3,3'-(9,10-dioxoanthracene-1,4-diyldiimino)bis(2,4,6-trimethylbenzenesulphonate)                        | 224-748-4 | 4474-24-2   | Sodium 3,3'-(9,10-dioxoanthracene-1,4-diyldiimino)bis(2,4,6-trimethylbenzenesulphonate)   | 224-748-4 | 4474-24-2   | CI 61585/Blue             | 61<br>58<br>5 |  |  |  | y | 9<br>3      | Rinse-off products                                     |   |
| Sodium 1-amino-4-(cyclohexylamino)-9,10-dihydro-9,10-dioxoanthracene-2-sulphonate                              | 224-460-9 | 4368-56-3   | Sodium 1-amino-4-(cyclohexylamino)-9,10-dihydro-9,10-dioxoanthracene-2-sulphonate (18); (CI 62045), Sodium 1-amino-4-(cyclohexylamino)-9,10-dihydro-9,10-dioxoanthracene-2-sulphonate | 224-460-9 | 4368-56-3   | CI 62045 / ACID BLUE 62   | 62<br>04<br>5 |  |  |  |   | 9<br>4      | Rinse-off products                                     |   |
| Bisbenzimidazo[2,1-b:2',1'-i]benzo[lmn][3,8]phenanthroline-8,17-dione  | 224-597-4 | 4424-06-0   | Bisbenzimidazo[2,1-b:2',1'-i]benzo[lmn][3,8]phenanthroline-8,17-dione, Pigment orange 43  | 224-597-4 | 4424-06-0   | CI 71105/Orange           | 71<br>10<br>5 |  |  |  | y | 9<br>7      | Not to be used in products applied on mucous membranes | y |
| 5,12-dihydro-2,9-dimethylquino[2,3-b]acridine-7,14-dione   | 213-561-3 | 980-26-7    | 5,12-Dihydro-2,9-dimethylquino[2,3-b]acridine-7,14-dione, Pigment red 122   | 213-561-3 | 980-26-7    | CI 73915/Red              | 73<br>91<br>5 |  |  |  | y | 1<br>0<br>3 | Rinse-off products                                     | y |
| 29H,31H-phthalocyanine   | 209-378-3 | 574-93-6    | 29H,31H-Phthalocyanine  | 209-378-3 | 574-93-6    | CI 74100/Blue             | 74<br>10<br>0 |  |  |  | y | 1<br>0<br>4 | Rinse-off products                                     |   |

<sup>19</sup> Other restrictions in CPR Annex IV column h: Not more than 1 % 2-(6-hydroxy-3-oxo-3H-xanthen-9-yl) benzoic acid and 2 % 2-(bromo-6-hydroxy-3-oxo-3H-xanthen-9-yl) benzoic acid

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|---|-----------|------------|--|----------------------|------------|----------------------------|-------|---|--|--|---------|--|
| Disulfo copper phthalocyanine amine salt  | 215-523-1 | 1328-51-4  | Disodium [29H,31H-phthalocyaninedisulphonato(4-)-N29,N30,N31,N32]cuprate(2-)   | 215-523-1            | 1328-51-4  | CI 74180/Biue              | 74180 | y |  |  | 106     | Rinse-off products                                     |
| Bromothymol blue  | 200-971-2 | 76-59-5    | Phenol, 4,4'-(3H-2,1-benzoxathiol-3-ylidene)bis[2-bromo-3-methyl-6-(1-methylethyl)-, S,S-dioxide   | 200-971-2            | 76-59-5    |                            |       |   |  |  | 151     | Rinse-off products                                     |
| Bromocresol green   | 200-972-8 | 76-60-8    | Phenol, 4,4'-(3H-2,1-benzoxathiol-3-ylidene)bis[2,6-dibromo-3-methyl-,S,S-dioxide  | 200-972-8            | 76-60-8    |                            |       |   |  |  | 152     | Rinse-off products                                     |
| C.I. Acid Red 195   | 602-053-0 | 12220-24-5 | Sodium 4-[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)azo]-3-hydroxynaphthalene-1-sulphonate  |                      | 12220-24-5 |                            |       |   |  |  | 153     | Not to be used in products applied on mucous membranes |
| (4-(4-aminophenyl)(4-aminocyclohexa-2,5-dienylidene)methyl)-2-methylaniline hydrochloride                           | 211-189-6 | 632-99-5   | 4-[(4-Aminophenyl)(4-aminocyclohexa-2,5-dien-1-ylidene)methyl]-o-toluidine and its hydrochloride salt (Basic Violet 14; CI 42510) when used as a substance in hair dye products, (4-(4-Aminophenyl)(4-aminocyclohexa-2,5-dienylidene)methyl)-2-methylaniline hydrochloride                                       | 211-189-6, 221-832-2 | 632-99-5   | CI 42510 / BASIC VIOLET 14 | 42510 |   |  |  | 13296   | Not to be used in products applied on mucous membranes |
| Calcium bis[3-hydroxy-4-(phenylazo)-2-naphthoate]   | 228-899-7 | 6371-76-2  | 3-Hydroxy-4-(phenylazo)-2-naphthoic acid and its calcium salt (Pigment Red 64:1; CI 15800) when used as a substance in hair dye products, Calcium bis[3-hydroxy-4-(phenylazo)-2-naphthoate]  | 228-899-7            | 6371-76-2  | CI 15800/Red               | 15800 |   |  |  | 133216  | Not to be used in products applied on mucous membranes |
| Hydrogen 9-(2-carboxylatophenyl)-3-(2-methylanilino)-6-(2-methyl-4-sulphoanilino)xanthylum, monosodium salt         | 228-377-9 | 6252-76-2  | Xanthylum, 9-(2-carboxyphenyl)-3-((2-methylphenyl)amino)-6-((2-methyl-4-sulfophenyl)amino)-, inner salt and its sodium salt (Acid Violet 9; CI 45190) when used as a substance in hair dye products, Hydrogen 9-(2-carboxylatophenyl)-3-(2-methylanilino)-6-(2-methyl-4-sulphoanilino)xanthylum, monosodium salt | 228-377-9            | 6252-76-2  | CI 45190 / ACID VIOLET 9   | 45190 |   |  |  | 1333752 | Rinse-off products                                     |
| [4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride | 219-943-6 | 2580-56-5  | [4-[[4-Anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (Basic Blue 26; CI 44045) when used as a substance in hair dye products, [4-[[4-Anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride | 219-943-6            | 2580-56-5  | CI 44045/Blue              | 44045 |   |  |  | 133409  | Not to be used in products applied on mucous membranes |
| Trisodium tris[5,6-dihydro-5-(hydroxyimino)-6-  | 243-010-2 | 19381-50-1 | Trisodium tris[5,6-dihydro-5-(hydroxyimino)-6-oxonaphthalene-2-sulphonato(2-)-N5,O6]ferrate(3-); (Acid Green 1; CI 10020)  | 243-010-2            | 19381-50-1 | CI 10020/Green             | 10020 |   |  |  | 133023  | Not to be used in products applied                     |

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|--|-----------|-----------|--|------------|-----------|------------------------------|---------------|--|---|------------------|--------|--|---|
| oxonaphthalene-2-sulphonato(2-)-N5,O6]ferrate(3-)  |           |           | when used as a substance in hair dye products, Trisodium tris[5,6-dihydro-5-(hydroxyimino)-6-oxonaphthalene-2-sulphonato(2-)-N5,O6]ferrate(3-)   |            |           |                              |               |  |   | 4<br>2           |        | on mucous membranes  |   |
| 4-[(4-ethoxyphenyl)azo]naphthol  | 229-439-8 | 6535-42-8 | 4-[(4-Ethoxyphenyl)azo]naphthol (Solvent Red 3; CI 12010) and its salts when used as a substance in hair dye products, 4-[(4-Ethoxyphenyl)azo]naphthol   | 229-439-8  | 6535-42-8 | CI 12010 / SOLVENT RED 3     | 12<br>01<br>0 |  |   | 1<br>3<br>4<br>4 | 8      | Not to be used in products applied on mucous membranes               |   |
| 3-hydroxy-N-(o-tolyl)-4-[(2,4,5-trichlorophenyl)azo]naphthalene-2-carboxamide                      | 229-440-3 | 6535-46-2 | 3-Hydroxy-N-(o-tolyl)-4-[(2,4,5-trichlorophenyl)azo]naphthalene-2-carboxamide (Pigment Red 112; CI 12370) and its salts when used as a substance in hair dye products, 3-Hydroxy-N-(o-tolyl)-4-[(2,4,5-trichlorophenyl)azo]naphthalene-2-carboxamide, Pigment red 112              | 229-440-3, | 6535-46-2 | CI 12370 / PIGMENT RED 112   | 12<br>37<br>0 |  | y | 1<br>3<br>4<br>6 | 1<br>1 | Rinse-off products   | y |
| 2,2'-[(3,3'-dichloro[1,1'-biphenyl]-4,4'-diyl)bis(azo)]bis[N-(2,4-dimethylphenyl)-3-oxobutyramide] | 225-822-9 | 5102-83-0 | 2,2'-[(3,3'-Dichloro[1,1'-biphenyl]-4,4'-diyl)bis(azo)]bis[N-(2,4-dimethylphenyl)-3-oxobutyramide] (Pigment Yellow 13; CI 21100) when used as a substance in hair dye products, 2,2'-[(3,3'-Dichloro[1,1'-biphenyl]-4,4'-diyl)bis(azo)]bis[N-(2,4-dimethylphenyl)-3-oxobutyramide] | 225-822-9  | 5102-83-0 | CI 21100 / PIGMENT YELLOW 13 | 21<br>10<br>0 |  | y | 1<br>3<br>5<br>1 | 4<br>7 | Rinse-off products <sup>20</sup>                                     |   |
| 1,1'-[[[(2-chlorophenyl)methylene]bis[(2,5-dimethyl-4,1-phenylene)azo]]bis(2-naphthol)]            | 229-753-5 | 6706-75-8 | 2,2'-[Cyclohexylidenebis[(2-methyl-4,1-phenylene)azo]]bis[4-cyclohexylphenol] (Solvent Yellow 29; CI 21230) when used as a substance in hair dye products, 2,2'-[Cyclohexylidenebis[(2-methyl-4,1-phenylene)azo]]bis[4-cyclohexylphenol]   | 229-754-0  | 6706-82-7 |                              |               |  |   | 1<br>3<br>5<br>2 | 4<br>9 | Not to be used in products applied on mucous membranes               |   |
| 2,2'-[cyclohexylidenebis[(2-methyl-4,1-phenylene)azo]]bis[4-cyclohexylphenol]                      | 229-754-0 | 6706-82-7 | 2,2'-[Cyclohexylidenebis[(2-methyl-4,1-phenylene)azo]]bis[4-cyclohexylphenol] (Solvent Yellow 29; CI 21230) when used as a substance in hair dye products, 2,2'-[Cyclohexylidenebis[(2-methyl-4,1-phenylene)azo]]bis[4-cyclohexylphenol]   | 229-754-0  | 6706-82-7 | CI 21230 / SOLVENT YELLOW 29 | 21<br>23<br>0 |  |   | 1<br>3<br>5<br>2 | 4<br>9 | Not to be used in products applied on mucous membranes               |   |
| 1-(4-(phenylazo)phenylazo)-2-naphthol  | 201-638-4 | 85-86-9   | 1-((4-Phenylazo)phenylazo)-2-naphthol (Solvent Red 23; CI 26100) when used as a substance in hair dye products, 1-(4-(Phenylazo)phenylazo)-2-naphthol  | 201-638-4  | 85-86-9   | CI 26100 / SOLVENT RED 23    | 26<br>10<br>0 |  |   | 1<br>3<br>5<br>3 | 5<br>1 | Not to be used in products applied on mucous membranes <sup>21</sup> |   |

<sup>20</sup> Other restrictions in CPR Annex IV column h: Maximum 3,3'-dimethylbenzidine concentration in the colouring agent: 5 ppm

<sup>21</sup> Other restrictions in CPR Annex IV column i: Purity criteria: aniline ≤ 0,2 % 2-naphthol ≤ 0,2 % 4-aminoazobenzene ≤ 0,1 % 1-(phenylazo)-2-naphthol ≤ 3 % 1-[2-(phenylazo)phenylazo]-2-naphthalenol ≤ 2 %

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|   |           |           |   |           |           |                               |       |   |      |    |  |   |
|---|-----------|-----------|---|-----------|-----------|-------------------------------|-------|---|------|----|--|---|
| Hydrogen [4-[4-(diethylamino)-2',4'-disulphonatobenzhydrylidene]cyclohexa-2,5-dien-1-ylidene]diethylammonium, sodium salt | 204-934-1 | 129-17-9  | Ethanaminium, N-(4-((4-diethylamino)phenyl)(2,4-disulphophenyl)methylene)-2,5-cyclohexadien-1-ylidene)-N-ethyl-, hydroxide, inner salt, sodium salt (Acid Blue 1; CI 42045) when used as a substance in hair dye products, Ammonium, (4-(alpha-(p-(diethylamino)phenyl)-2,4-disulphobenzylidene)-2,5-cyclohexadien-1-ylidene)diethyl-, hydroxide, monosodium salt | 204-934-1 | 129-17-9  | CI 42045 / ACID BLUE 1        | 42045 | y | 1355 | 59 | Not to be used in products applied on mucous membranes |   |
| 1,3-isobenzofurandione, reaction products with methylquinoline and quinoline  | 232-318-2 | 8003-22-3 | 1,3-Isobenzofurandione, reaction products with methylquinoline and quinoline (Solvent Yellow 33; CI 47000) when used as a substance in hair dye products, 1,3-Isobenzofurandione, reaction products with methylquinoline and quinoline  | 232-318-2 | 8003-22-3 | CI 47000 / SOLVENT YELLOW 33  | 47000 | y | 1358 | 81 | Not to be used in products applied on mucous membranes |   |
| Acid Black 2  | 616-852-7 | 8005-03-6 | Nigrosine (CI 50420) when used as a substance in hair dye products, Sulfonated nigrosine color  |           | 8005-03-6 |                               |       |   | 1359 | 84 | Not to be used in products applied on mucous membranes |   |
| 8,18-dichloro-5,15-diethyl-5,15-dihydrodiindolo[3,2-b:3',2'-m]triphenodioxazine   | 228-767-9 | 6358-30-1 | 8,18-Dichloro-5,15-diethyl-5,15-dihydrodiindolo[3,2-b:3',2'-m]triphenodioxazine (Pigment Violet 23; CI 51319) when used as a substance in hair dye products, 8,18-Dichloro-5,15-diethyl-5,15-dihydrodiindolo[3,2-b:3',2'-m]triphenodioxazine, Pigment violet 23   | 228-767-9 | 6358-30-1 | CI 51319 / PIGMENT VIOLET 23, | 51319 |   | 1360 | 85 | Rinse-off products                                     | y |
| Diindolo[2,3-c:2',3'-n]triphenodioxazine, 9,19-dichloro-5,15-diethyl-5,15-dihydro-  | 613-252-7 | 6358-30-1 | 8,18-Dichloro-5,15-diethyl-5,15-dihydrodiindolo[3,2-b:3',2'-m]triphenodioxazine (Pigment Violet 23; CI 51319) when used as a substance in hair dye products, 8,18-Dichloro-5,15-diethyl-5,15-dihydrodiindolo[3,2-b:3',2'-m]triphenodioxazine, Pigment violet 23   | 228-767-9 | 6358-30-1 |                               |       |   | 1366 | 85 | Rinse-off products                                     | y |
|   |           |           | 8,18-Dichloro-5,15-diethyl-5,15-dihydrodiindolo[3,2-b:3',2'-m]triphenodioxazine (Pigment Violet 23; CI 51319) when used as a substance in hair dye products, 8,18-Dichloro-5,15-diethyl-5,15-dihydrodiindolo[3,2-b:3',2'-m]triphenodioxazine, Pigment violet 23   | 228-767-9 | 6358-30-1 |                               |       |   | 1366 | 85 | Rinse-off products                                     | y |
| Trisodium 8-hydroxypyrene-1,3,6-trisulphonate   | 228-783-6 | 6358-69-6 | Trisodium 8-hydroxypyrene-1,3,6-trisulphonate (Solvent Green 7; CI 59040) when used as a substance in hair dye products, Trisodium 8-hydroxypyrene-1,3,6-trisulphonate  | 228-783-6 | 6358-69-6 | CI 59040 / SOLVENT GREEN 7    | 59040 | y | 1362 | 87 | Not to be used in products applied on mucous membranes |   |
| 5,12-dihydroquino[2,3-b]acridine-7,14-dione   | 213-879-2 | 1047-16-1 | 5,12-Dihydroquino[2,3-b]acridine-7,14-dione (Pigment Violet 19; CI 73900) when used as a substance in hair dye products, 5,12-  | 213-879-2 | 1047-16-1 | CI 73900 / PIGMENT            | 73900 | y | 1366 | 62 | Rinse-off products                                     | y |

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|--|-------------------|-------------------|---|--------------------|-------------------|--------------------------------------|---------------|--|--|---|--|------------------|-------------|-----------------------------------|---|
|  |                   |                   | Dihydroquino[2,3-b]acridine-7,14-dione,<br>Pigment violet 19  |                    |                   | VIOLET<br>19,                        |               |  |  |   |  |                  |             |                                   |   |
| Disodium [29H,31H-<br>phthalocyaninedisulphon<br>ato(4-)-<br>N29,N30,N31,N32]cupra<br>te(2-) | 215-<br>537-<br>8 | 1330<br>-38-<br>7 | Disodium [29H,31H-<br>phthalocyaninedisulphonato(4-)-<br>N29,N30,N31,N32]cuprate(2-) (Direct Blue 86;<br>CI 74180) when used as a substance in hair dye<br>products, Disodium [29H,31H-<br>phthalocyaninedisulphonato(4-)-<br>N29,N30,N31,N32]cuprate(2-), Direct blue 86 | 215-<br>537-<br>8, | 1330<br>-38-<br>7 | CI<br>74180/BI<br>ue                 | 74<br>18<br>0 |  |  |   |  | 1<br>3<br>6<br>8 | 1<br>0<br>6 | Rinse-off<br>products             | y |
| Polychloro copper<br>phthalocyanine  | 215-<br>524-<br>7 | 1328<br>-53-<br>6 | Polychloro copper phthalocyanine (Pigment<br>Green 7; CI 74260) when used as a substance in<br>hair dye products, Polychloro copper<br>phthalocyanine, Pigment green 7  | 215-<br>524-<br>7  | 1328<br>-53-<br>6 | CI 74260<br>/<br>PIGMENT<br>GREEN 7, | 74<br>26<br>0 |  |  | y |  | 1<br>3<br>6<br>9 | 1<br>0<br>7 | Not to be used in<br>eye products | y |
|  |                   |                   | Polychloro copper phthalocyanine (Pigment<br>Green 7; CI 74260) when used as a substance in<br>hair dye products, Polychloro copper<br>phthalocyanine, Pigment green 7  | 215-<br>524-<br>7  | 1328<br>-53-<br>6 |                                      |               |  |  |   |  | 1<br>3<br>6<br>9 | 1<br>0<br>7 | Not to be used in<br>eye products | y |

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Supplementary Table E: Substances allowed in tattoo inks subject to the conditions specified in CPR Annex IV columns h and i<sup>22</sup>

| ECHA Public   |           |            | Other Public   |           |            | Description (s)           | CI #  | Reg <sup>23</sup> | A - II # <sup>24</sup> | CPR Annex IV           |   | TI <sup>25</sup> |
|---|-----------|------------|--|-----------|------------|---------------------------|-------|-------------------|------------------------|------------------------|---|------------------|
| Substance Name  | EC #      | CAS #      | Substance Name   | EC #      | CAS #      |                           |       |                   |                        | Conditions of use      |   |                  |
|   |           |            |  |           |            |                           |       |                   |                        | Column h <sup>26</sup> | Column i: other   |                  |
| Disodium 4-hydroxy-3-[(4-sulphonatonaphthyl)azo]naphthalenesulphonate                   | 222-657-4 | 3567-69-9  | Disodium 4-hydroxy-3-[(4-sulphonatonaphthyl)azo]naphthalenesulphonate, Acid red 14, Food red 3 (Carmoisine lake)   | 222-657-4 | 3567-69-9  | CI 14720 / ACID RED 14    | 14720 | y                 | 19                     |                        | Purity criteria as set out in Commission Directive 95/45/EC (E 122) | y                |
| Aluminium, 4-hydroxy-3-[(4-sulfo-1-naphthalenyl)azo]-1-naphthalenesulfonic acid complex | 282-478-2 | 84238-07-3 | Disodium 4-hydroxy-3-[(4-sulphonatonaphthyl)azo]naphthalenesulphonate  | 282-478-2 | 84238-07-3 | ACID RED 14 ALUMINUM LAKE | 14720 |                   | 19                     |                        | Purity criteria as set out in Commission Directive 95/45/EC (E 122) |                  |
| Sodium 2-[(2-hydroxynaphthyl)azo]naphthalenesulphonate                                  | 214-998-2 | 1248-18-6  | Sodium 2-[(2-hydroxynaphthyl)azo]naphthalenesulphonate and its insoluble barium, strontium and zirconium lakes, salts and pigments                                 | 214-998-2 | 1248-18-6  | CI 15630/Red              | 15630 |                   | 25                     | 3%                     |   |                  |
| Calcium 3-hydroxy-4-[(4-methyl-2-sulphonatophenyl)azo]-2-naphthoate                     | 226-109-5 | 5281-04-9  | Disodium 3-hydroxy-4-[(4-methyl-2-sulphonatophenyl)azo]-2-naphthoate and its insoluble barium, strontium and zirconium lakes, salts and pigments, Pigment red 57:1 | 226-109-5 | 5281-04-9  | CI 15850/PIGMENT RED 57:1 | 15850 | y                 | 27                     |                        | Purity criteria as set out in Commission Directive 95/45/EC (E 180) | y                |
| Disodium 3-hydroxy-4-[(4-methyl-2-sulphonatophenyl)azo]-2-naphthoate                    | 227-497-9 | 5858-81-1  | Disodium 3-hydroxy-4-[(4-methyl-2-sulphonatophenyl)azo]-2-naphthoate and its insoluble barium, strontium and zirconium lakes, salts and pigments                   | 227-497-9 | 5858-81-1  | CI 15850 / PIGMENT RED 57 | 15850 |                   | 27                     |                        | Purity criteria as set out in Commission Directive 95/45/EC (E 180) |                  |

<sup>22</sup> Extraction as of 12/08/2016 from Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products. Contains all CAS and EC numbers listed on the CosIng database ([http://ec.europa.eu/growth/tools-databases/cosing/index.cfm?fuseaction=search.results&annex\\_v2=IV&search](http://ec.europa.eu/growth/tools-databases/cosing/index.cfm?fuseaction=search.results&annex_v2=IV&search)), including historical information substances, not included in the annexes of the Directive/Regulation as published in the Official Journal of the EU.

<sup>23</sup> Registered under REACH

<sup>24</sup> CPR Annex II entry number

<sup>25</sup> Present in tattoo inks as per JRC report (JRC 2016b)

<sup>26</sup> Maximum concentration in ready for use preparation as per Column h in CPR Annex IV



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|---|-----------|------------|--|-----------|------------|------------------------------------|-------|------|---|----|---|---|---|
| Disodium 6-hydroxy-5-[(4-sulphonatophenyl)azo]naphthalene-2-sulphonate                      | 220-491-7 | 2783-94-0  | Disodium 6-hydroxy-5-[(4-sulphonatophenyl)azo]naphthalene-2-sulphonate and its insoluble barium, strontium and zirconium lakes, salts and pigments, Food yellow 3 (Sunset yellow, E110)  | 220-491-7 | 2783-94-0  | CI 15985/Yellow                    | 15985 | 5    | y | 31 | Purity criteria as set out in Commission Directive 95/45/EC (E 110) | y   |   |
| Disodium 6-hydroxy-5-[(2-methoxy-4-sulphonato-m-tolyl)azo]naphthalene-2-sulphonate          | 247-368-0 | 25956-17-6 | Disodium 6-hydroxy-5-[(2-methoxy-4-sulphonato-m-tolyl)azo]naphthalene-2-sulphonate (18); (CI 16035), Disodium 6-hydroxy-5-[(2-methoxy-4-sulphonato-m-tolyl)azo]naphthalene-2-sulphonate  | 247-368-0 | 25956-17-6 | CI 16035/Red                       | 16035 | 1603 | 5 | y  | 32  | Purity criteria as set out in Commission Directive 95/45/EC (E 129) |   |
| Aluminium, 3-hydroxy-4-[(4-sulfo-1-naphthalenyl)azo]-2,7-naphthalenedisulfonic acid complex | 235-437-8 | 12227-62-2 | Trisodium 3-hydroxy-4-(4'-sulphonatonaphthylazo)naphthalene-2,7-disulphonate   | 235-437-8 | 12227-62-2 | CI 16185/ACID RED 27 ALUMINUM LAKE | 16185 | 1618 | 5 |    | 33  | Purity criteria as set out in Commission Directive 95/45/EC (E 123) |   |
| Aluminium, 7-hydroxy-8-[(4-sulfo-1-naphthalenyl)azo]-1,3-naphthalenedisulfonic acid complex | 235-438-3 | 12227-64-4 | Trisodium 1-(1-naphthylazo)-2-hydroxynaphthalene-4',6,8-trisulphonate and aluminium lake (18); (CI 16255), Trisodium 1-(1-naphthylazo)-2-hydroxynaphthalene-4',6,8-trisulphonate and its insoluble barium, strontium and zirconium lakes, salts and pigments | 235-438-3 | 12227-64-4 | CI 16255/ACID RED 18 ALUMINUM LAKE | 16255 | 1625 | 5 |    | 35  | Purity criteria as set out in Commission Directive 95/45/EC (E 124) |   |
| Trisodium 5-hydroxy-1-(4-sulphophenyl)-4-(4-sulphophenylazo)pyrazole-3-carboxylate          | 217-699-5 | 1934-21-0  | Trisodium 5-hydroxy-1-(4-sulphophenyl)-4-(4-sulphophenylazo)pyrazole-3-carboxylate and its insoluble barium, strontium and zirconium lakes, salts and pigments, Acid yellow 23   | 217-699-5 | 1934-21-0  | CI 19140 / ACID YELLOW 23          | 19140 | 1914 | 0 | y  | 44  | Purity criteria as set out in Commission Directive 95/45/EC (E 102) | y |
| Aluminium, 4,5-dihydro-5-oxo-1-(4-sulphophenyl)-4-[(4-                                      | 235-428-9 | 12225-21-7 | Trisodium 5-hydroxy-1-(4-sulphophenyl)-4-(4-sulphophenylazo)pyrazole-3-  | 235-428-9 | 12225-21-7 | CI 19140/ACID YELLOW 23            | 19140 | 1914 | 0 | y  | 44  | Purity criteria as set out in Commission Directive 95/45/EC (E 102) | y |

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|--|-----------|------------|---|-----------|-------------|------------------------------|------|---|---|--|----|--|
| sulphophenyl)azo]-1H-pyrazole-3-carboxylic acid complex  |           |            | carboxylate and aluminium lake (18); (CI 19140), Trisodium 5-hydroxy-1-(4-sulphophenyl)-4-((4-sulphophenyl)azo)pyrazole-3-carboxylate and its insoluble barium, strontium and zirconium lakes, salts and pigments, Pigment yellow 100 (Food yellow 4:1) |           |             | ALUMINUM LAKE                |      |   |   |  |    |  |
| 4,5-dihydro-5-oxo-1-(4-sulphophenyl)-4-[(4-sulphophenyl)azo]-1H-pyrazole-3-carboxylic acid, barium salt                  | 278-024-8 | 74920-66-4 | Trisodium 5-hydroxy-1-(4-sulphophenyl)-4-((4-sulphophenyl)azo)pyrazole-3-carboxylate and its insoluble barium, strontium and zirconium lakes, salts and pigments  | 278-024-8 | 74920-66-4  | CI 19140/Yellow              | 1914 | 0 |   |  | 44 | Purity criteria as set out in Commission Directive 95/45/EC (E 102)  |
| Barium 4,5-dihydro-5-oxo-1-(4-sulphonatophenyl)-4-[(4-sulphonatophenyl)azo]-1H-pyrazole-3-carboxylate (3:2)              | 283-540-1 | 84681-80-1 | Trisodium 5-hydroxy-1-(4-sulphophenyl)-4-((4-sulphophenyl)azo)pyrazole-3-carboxylate and its insoluble barium, strontium and zirconium lakes, salts and pigments  | 283-540-1 | 84681-80-1  | CI 19140/Yellow              | 1914 | 0 |   |  | 44 | Purity criteria as set out in Commission Directive 95/45/EC (E 102)  |
| Tetrasodium 1-acetamido-2-hydroxy-3-(4-((4-sulphonatophenylazo)-7-sulphonato-1-naphthylazo))naphthalene-4,6-disulphonate | 219-746-5 | 2519-30-4  | Tetrasodium 1-acetamido-2-hydroxy-3-(4-((4-sulphonatophenylazo)-7-sulphonato-1-naphthylazo))naphthalene-4,6-disulphonate  | 219-746-5 | 2519-30-4   | CI 28440 / BRILLIANT BLACK 1 | 2844 | 0 | y |  | 53 | Purity criteria as set out in Commission Directive 95/45/EC (E 151)  |
|  |           |            | beta Carotene   |           | 116-32-5    |                              |      |   |   |  | 55 | Purity criteria as set out in Commission Directive 95/45/EC (E160a)  |
|  |           |            | beta Carotene   |           | 317-97-85-0 |                              |      |   |   |  | 55 | Purity criteria as set out in Commission Directive 95/45/EC (E160a)  |
| Ethyl 8'-apo-β-caroten-8'-oate   | 214-173-7 | 1109-11-1  | Ethyl 8'-apo-.beta.-caroten-8'-oate   | 214-173-7 | 1109-11-1   | CI 40825/Orange              | 4082 | 5 |   |  | 57 | Purity criteria as set out in Commission Directive 95/45/EC (E 160f) |
| Canthaxanthin  | 208-187-2 | 514-78-3   | Canthaxanthin   | 208-187-2 | 514-78-3    | CI 40850/Orange              | 4085 | 0 |   |  | 58 | Purity criteria as set out in Commission Directive 95/45/EC (E 161g) |

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|--|-----------|------------|--|-----------|-------------|--|-------|--|--|----|---|---|
| Diammonio(ethyl)[4-[[4-[ethyl(3-sulphonatobenzyl)amino]phenyl](2-sulphonatophenyl)methylene]cyclohexa-2,5-dien-1-ylidene](3-sulphonatobenzyl)ammonium                            | 220-168-0 | 2650-18-2  | Benzenemethanaminium, N-ethyl-N-[4-[[4-[ethyl-(3-sulfofophenyl)-methyl]-amino]-phenyl](2-sulfofophenyl)methylene]-2,5-cyclohexadien-1-ylidene]-3-sulfo-, inner salts, disodium salt and its ammonium and aluminium salts (18); (CI 42090), Benzenemethanaminium, N-ethyl-N-(4-((4-(ethyl((3-sulfofophenyl)methyl)amino)phenyl)(2-sulfofophenyl)methylene)-2,5-cyclohexadien-1-ylidene)-3-sulfo-, hydroxide, inner salt, disodium salt, Acid blue 9 | 220-168-0 | 2650-18-2   | CI 42090/<br>ACID BLUE 9<br>AMMONIUM<br>SALT | 42090 |  |  | 63 | Purity criteria as set out in Commission Directive 95/45/EC (E 133) | y |
| Dihydrogen (ethyl)[4-[4-[ethyl(3-sulphonatobenzyl)]amino]-2'-sulphonatobenzhydrylidene]cyclohexa-2,5-dien-1-ylidene](3-sulphonatobenzyl)ammonium, disodium salt                  | 223-339-8 | 3844-45-9  | Benzenemethanaminium, N-ethyl-N-[4-[[4-[ethyl-(3-sulfofophenyl)-methyl]-amino]-phenyl](2-sulfofophenyl)methylene]-2,5-cyclohexadien-1-ylidene]-3-sulfo-, inner salts, disodium salt and its ammonium and aluminium salts (18); (CI 42090), Benzenemethanaminium, N-ethyl-N-(4-((4-(ethyl((3-sulfofophenyl)methyl)amino)phenyl)(2-sulfofophenyl)methylene)-2,5-cyclohexadien-1-ylidene)-3-sulfo-, hydroxide, inner salt, disodium salt              | 223-339-8 | 3844-45-9   | CI 42090 /<br>ACID BLUE 9                    | 42090 |  |  | 63 | Purity criteria as set out in Commission Directive 95/45/EC (E 133) |   |
| Hexahydrogen tris[(ethyl)[4-[4-[ethyl(3-sulphonatobenzyl)amino]phenyl](2-sulphonatophenyl)methylene]cyclohexa-2,5-dien-1-ylidene](3-sulphonatobenzyl)ammonium], dialuminium salt | 239-897-0 | 15792-67-3 | Benzenemethanaminium, N-ethyl-N-(4-((4-(ethyl((3-sulfofophenyl)methyl)amino)phenyl)(2-sulfofophenyl)methylene)-2,5-cyclohexadien-1-ylidene)-3-sulfo-, hydroxide, inner salt, disodium salt   | 239-897-0 | 155792-67-3 | CI 42090/<br>Blue                            | 42090 |  |  | 63 | Purity criteria as set out in Commission Directive 95/45/EC (E 133) |   |
| Dihydrogen (ethyl)[4-[4-[ethyl(3-sulphonatobenzyl)amin   | 275-866-8 | 71701-18-3 | Benzenemethanaminium, N-ethyl-N-(4-((4-(ethyl((3-sulfofophenyl)methyl)amino)phenyl)  | 275-866-8 | 71701-18-3  | CI 42090/<br>Blue                            | 42090 |  |  | 63 | Purity criteria as set out in Commission Directive 95/45/EC (E 133) |   |

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|---|-----------|------------|--|-----------|------------|---------------------------------|-------|---|--|--|----|----|---|
| o]-2'-sulphonatobenzhydrylidene]cyclohexa-2,5-dien-1-ylidene](3-sulphonatobenzyl)ammonium, dipotassium salt   |           |            | (2-sulfophenyl)methylene)-2,5-cyclohexadien-1-ylidene)-3-sulfo-, hydroxide, inner salt, disodium salt  |           |            |                                 |       |   |  |  |    |    |   |
| Dihydrogen (ethyl)[4-[α-[4-[ethyl(3-sulphonatobenzyl)amino]phenyl]-2-sulphonatobenzylidene]cyclohexa-2,5-dien-1-ylidene](3-sulphonatobenzyl)ammonium, potassium sodium salt | 275-867-3 | 71701-19-4 | Benzenemethanaminium, N-ethyl-N-(4-((4-(ethyl((3-sulfophenyl)methyl)amino)phenyl)(2-sulfophenyl)methylene)-2,5-cyclohexadien-1-ylidene)-3-sulfo-, hydroxide, inner salt, disodium salt | 275-867-3 | 71701-19-4 | CI 42090/Blue                   | 42090 |   |  |  | 63 |    | Purity criteria as set out in Commission Directive 95/45/EC (E 133) |
|   |           |            | Benzenemethanaminium, N-ethyl-N-(4-((4-(ethyl((3-sulfophenyl)methyl)amino)phenyl)(2-sulfophenyl)methylene)-2,5-cyclohexadien-1-ylidene)-3-sulfo-, hydroxide, inner salt, disodium salt |           | 37307-56-5 |                                 |       |   |  |  | 63 |    | Purity criteria as set out in Commission Directive 95/45/EC (E 133) |
|   |           |            | Benzenemethanaminium, N-ethyl-N-(4-((4-(ethyl((3-sulfophenyl)methyl)amino)phenyl)(2-sulfophenyl)methylene)-2,5-cyclohexadien-1-ylidene)-3-sulfo-, hydroxide, inner salt, disodium salt |           | 6371-85-3  |                                 |       |   |  |  | 63 |    | Purity criteria as set out in Commission Directive 95/45/EC (E 133) |
| Hydrogen [4-[4-(dimethylamino)-α-(2-hydroxy-3,6-disulphonato-1-naphthyl)benzylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium, monosodium salt                          | 221-409-2 | 3087-16-9  | Hydrogen [4-[4-(dimethylamino)-.alpha.-(2-hydroxy-3,6-disulphonato-1-naphthyl)benzylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium, monosodium salt                               | 221-409-2 | 3087-16-9  | CI 44090 / ACID GREEN 50 / Blue | 44090 | y |  |  | 70 |    | Purity criteria as set out in Commission Directive 95/45/EC (E 142) |
| Dipotassium 2-(6-oxido-3-oxoxanthen-9-yl)benzoate   | 229-143-9 | 6417-85-2  | Disodium 2-(3-oxo-6-oxidoxanthen-9-yl)benzoate   | 229-143-9 | 6417-85-2  | CI 45350/Yellow                 | 45350 |   |  |  | 74 | 6% |   |

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|--|-----------|------------|--|-----------|------------|---------------------------|-------|--|---|----|---|---|
| 2-(2,4,5,7-tetrabromo-3,6-dihydroxyxanthen-9-yl)benzoic acid, zirconium salt                               | 301-481-2 | 94021-89-3 | Disodium 2-(2,4,5,7-tetrabromo-6-oxido-3-oxoxanthen-9-yl)benzoate and its insoluble barium, strontium and zirconium lakes, salts and pigments  | 301-481-2 | 94021-89-3 | CI 45380/Red              | 45380 |  |   | 76 | Not more than 1 % 2-(6-hydroxy-3-oxo-3H-xanthen-9-yl) benzoic acid and 2 % 2-(bromo-6-hydroxy-3-oxo-3H-xanthen-9-yl) benzoic acid |   |
|  |           |            | Disodium 2-(2,4,5,7-tetrabromo-6-oxido-3-oxoxanthen-9-yl)benzoate and its insoluble barium, strontium and zirconium lakes, salts and pigments, Acid red 87   |           | 548-26-5   |                           |       |  |   | 76 | Not more than 1 % 2-(6-hydroxy-3-oxo-3H-xanthen-9-yl) benzoic acid and 2 % 2-(bromo-6-hydroxy-3-oxo-3H-xanthen-9-yl) benzoic acid | y   |
| 3',6'-dihydroxy-4',5'-dinitrospiro[isobenzofuran-1(3H),9'-[9H]xanthene]-3-one                              | 246-308-0 | 24545-86-6 | 3',6'-Dihydroxy-4',5'-dinitrospiro[isobenzofuran-1(3H),9'-[9H]xanthene]-3-one  | 246-308-0 | 24545-86-6 | CI 45396/Orange           | 45396 |  |   | 77 | 1 %, when used in lip products  | Only in free acid form, when used in lip products   |
| 2',4',5',7'-tetrabromo-4,5,6,7-tetrachloro-3',6'-dihydroxyspiro[isobenzofuran-1(3H),9'-[9H]xanthene]-3-one | 236-747-6 | 13473-26-2 | 3,4,5,6-Tetrachloro-2-(1,4,5,8-tetrabromo-6-hydroxy-3-oxoxanthen-9-yl)benzoic acid and its soluble barium, strontium and zirconium lakes, salts and pigments   | 236-747-6 | 13473-26-2 | CI 45410 / SOLVENT RED 48 | 45410 |  | y | 79 |   | Not more than 1 % 2-(6-hydroxy-3-oxo-3H-xanthen-9-yl) benzoic acid and 2 % 2-(bromo-6-hydroxy-3-oxo-3H-xanthen-9-yl) benzoic acid |
| 3,4,5,6-tetrachloro-2-(1,4,5,8-tetrabromo-6-hydroxy-3-oxoxanthen-9-yl)benzoic acid                         | 242-355-6 | 18472-87-2 | Fluorescein, 2',4',5',7'-tetrabromo-4,5,6,7-tetrachloro-, disodium salt (CI 45410), 3,4,5,6-Tetrachloro-2-(1,4,5,8-tetrabromo-6-hydroxy-3-oxoxanthen-9-yl)benzoic acid and its soluble barium, strontium and zirconium lakes, salts and pigments | 242-355-6 | 18472-87-2 | CI 45410 / ACID RED 92    | 45410 |  | y | 79 |   | Not more than 1 % 2-(6-hydroxy-3-oxo-3H-xanthen-9-yl) benzoic acid and 2 % 2-(bromo-6-hydroxy-3-oxo-3H-xanthen-9-yl) benzoic acid |
| Aluminum, 2-(1,3-dihydro-1,3-dioxo-2H-inden-2-ylidene)-1,2-dihydro-6,7-quinolinedisulfonate complexes      | 305-632-3 | 94891-32-4 | 1H-Indene-1,3(2H)-dione, 2-(2-quinoliny)-, sulfonated, sodium salts  | 305-632-3 | 94891-32-4 | CI 47005/Yellow           | 47005 |  |   | 82 |   | Purity criteria as set out in Commission Directive 95/45/EC (E 104)   |

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|---|-----------|-----------------------|---|-----------|-----------------------|--------------------------------------|-------|---|--|--|-----|--|---|
| 1H-Indene-1,3(2H)-dione, 2-(2-quinoliny)-, sulfonated, sodium salts   | 305-897-5 | 8004-92-0, 95193-83-2 | 1H-Indene-1,3(2H)-dione, 2-(2-quinoliny)-, sulfonated, sodium salts, Acid yellow 3                | 305-897-5 | 95193-83-2, 8004-92-0 | CI 47005 / ACID YELLOW 3             | 47005 |   |  |  | 82  | Purity criteria as set out in Commission Directive 95/45/EC (E 104)  | y |
| C.I. Pigment Yellow 115   | 614-732-9 | 68814-04-0            | 1H-Indene-1,3(2H)-dione, 2-(2-quinoliny)-, sulfonated, sodium salts                               |           | 68814-04-0            |                                      |       |   |  |  | 82  | Purity criteria as set out in Commission Directive 95/45/EC (E 104)  |   |
| 1H-Indene-1,3(2H)-dione, 2-(2-quinoliny)-, sulfonated, sodium salts   | 616-849-0 | 8004-92-0             | 1H-Indene-1,3(2H)-dione, 2-(2-quinoliny)-, sulfonated, sodium salts, Acid yellow 3                |           | 8004-92-0             |                                      |       |   |  |  | 82  | Purity criteria as set out in Commission Directive 95/45/EC (E 104)  | y |
| Disodium 5,5'-(2-(1,3-dihydro-3-oxo-2H-indazol-2-ylidene)-1,2-dihydro-3H-indol-3-one)disulphonate               | 212-728-8 | 860-22-0              | Disodium 5,5'-(2-(1,3-dihydro-3-oxo-2H-indazol-2-ylidene)-1,2-dihydro-3H-indol-3-one)disulphonate | 212-728-8 | 860-22-0              | CI 73015 / ACID BLUE 74              | 73015 | y |  |  | 99  | Purity criteria as set out in Commission Directive 95/45/EC (E 132)  |   |
| Aluminium, 2-(1,3-dihydro-3-oxo-5-sulfo-2H-indol-2-ylidene)-2,3-dihydro-3-oxo-1H-indole-5-sulfonic acid complex | 240-589-3 | 16521-38-3            | Disodium 5,5'-(2-(1,3-dihydro-3-oxo-2H-indazol-2-ylidene)-1,2-dihydro-3H-indol-3-one)disulphonate | 240-589-3 | 16521-38-3            | CI 73015/ ACID BLUE 74 ALUMINUM LAKE | 73015 | y |  |  | 99  | Purity criteria as set out in Commission Directive 95/45/EC (E 132)  |   |
| 6,6'-diapo-ψ,ψ-carotenedioic acid   | 208-810-8 | 542-40-5              | Annatto   | 208-810-8 | 542-40-5              | CI 75120/Orange                      | 75120 |   |  |  | 109 | Purity criteria as set out in Commission Directive 95/45/EC (E 160b) |   |
| Annatto   | 215-735-4 | 1393-63-1             | Annatto   | 215-735-4 | 1393-63-1             | CI 75120/Orange                      | 75120 |   |  |  | 109 | Purity criteria as set out in Commission Directive 95/45/EC (E 160b) |   |
| Methyl (9-cis)-hydrogen-6,6'-diapo-ψ,ψ-carotenedioate   | 230-248-7 | 6983-79-5             | Annatto   | 230-248-7 |                       | CI 75120/Orange                      | 75120 |   |  |  | 109 | Purity criteria as set out in Commission Directive 95/45/EC (E 160b) |   |
| Dipotassium 6,6'-diapo-ψ,ψ-carotenedioate   | 251-431-8 | 33261-80-2            | Annatto   | 251-431-8 | 33261-80-2            | CI 75120/Orange                      | 75120 |   |  |  | 109 | Purity criteria as set out in Commission Directive 95/45/EC (E 160b) |   |
| Disodium 6,6'-diapo-ψ,ψ-carotenedioate  | 251-432-3 | 33261-81-3            | Annatto   | 251-432-3 | 33261-81-3            | CI 75120/Orange                      | 75120 |   |  |  | 109 | Purity criteria as set out in Commission Directive 95/45/EC (E 160b) |   |
| Annatto tree, ext.  | 289-561-2 | 89957-43-7            | Annatto   | 289-561-2 |                       | CI 75120/Orange                      | 75120 |   |  |  | 109 | Purity criteria as set out in Commission Directive 95/45/EC (E 160b) |   |

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|---|-----------|------------|--|-----------|------------|----------------------------|---------------|--|--|-----|--|--|---|
| Psi,psi-carotene  | 207-949-1 | 502-65-8   | Lycopene   | 207-949-1 | 502-65-8   | CI 75125 / LYCOPENE/Yellow | 75<br>12<br>5 |  |  | 110 |  | Purity criteria as set out in Commission Directive 95/45/EC (E 160d)       |   |
| 1,7-bis(4-hydroxy-3-methoxyphenyl)hepta-1,6-diene-3,5-dione   | 207-280-5 | 458-37-7   | Curcumins  | 207-280-5 | 458-37-7   | CI 75300 / CURCUMIN/Yellow | 75<br>30<br>0 |  |  | 114 |  | Purity criteria as set out in Commission Directive 95/45/EC (E 100)        |   |
| Curcumin (Synthetic)  | 678-357-2 | 94875-80-6 | Curcumins  |           | 94875-80-6 |                            |               |  |  | 114 |  | Purity criteria as set out in Commission Directive 95/45/EC (E 100)        |   |
| Carminic acid   | 215-023-3 | 1260-17-9  | Carmines, Natural red 4 (E180)<br>Carmine (E 120)  | 215-023-3 | 1260-17-9  | CI 75470/Red               | 75<br>47<br>0 |  |  | 115 |  | Purity criteria as set out in Commission Directive 95/45/EC (E 120)        | y |
| Cochineal (dye)   | 215-680-6 | 1343-78-8  | Carmines, Natural red 4 (E180)<br>Carmine (E 120)  | 215-680-6 | 1343-78-8  | CI 75470/COCHineal/Red     | 75<br>47<br>0 |  |  | 115 |  | Purity criteria as set out in Commission Directive 95/45/EC (E 120)        | y |
| Carmine   | 215-724-4 | 1390-65-4  | Carmines, Natural red 4 (E180)<br>Carmine (E 120)  | 215-724-4 | 1390-65-4  | CI 75470/Red               | 75<br>47<br>0 |  |  | 115 |  | Purity criteria as set out in Commission Directive 95/45/EC (E 120)        | y |
| Magnesium, [3,7,11,15-tetramethyl-2-hexadecenyl 9-ethenyl-14-ethyl-21-(methoxycarbonyl)-4,8,13,18-tetramethyl-20-oxo-3-phorbinepropanoato(2-)-N23,N24,N25,N26]-, [SP-4-2-[3S-[3a(2E,7S*,11S*),4β,21β]]]-      | 207-536-6 | 479-61-8   | Trisodium (2S-trans)-[18-carboxy-20-(carboxymethyl)-13-ethyl-2,3-dihydro-3,7,12,17-tetramethyl-8-vinyl-21H,23H-porphine-2-propionato(5-)-N21,N22,N23,N24]cuprate(3-)<br>(Chlorophylls) | 207-536-6 |            | CI 75810/Green             | 75<br>81<br>0 |  |  | 116 |  | Purity criteria as set out in Commission Directive 95/45/EC (E 140, E 141) |   |
| Magnesium, [3,7,11,15-tetramethyl-2-hexadecenyl 9-ethenyl-14-ethyl-13-formyl-21-(methoxycarbonyl)-4,8,18-trimethyl-20-oxo-3-phorbinepropanoato(2-)-N23,N24,N25,N26]-, [SP-4-2-[3S-[3a(2E,7S*,11S*),4β,21β]]]- | 208-272-4 | 519-62-0   | Trisodium (2S-trans)-[18-carboxy-20-(carboxymethyl)-13-ethyl-2,3-dihydro-3,7,12,17-tetramethyl-8-vinyl-21H,23H-porphine-2-propionato(5-)-N21,N22,N23,N24]cuprate(3-)<br>(Chlorophylls) | 208-272-4 |            | CI 75810/Green             | 75<br>81<br>0 |  |  | 116 |  | Purity criteria as set out in Commission Directive 95/45/EC (E 140, E 141) |   |

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|   |           |            |  |           |            |                   |               |  |  |     |  |
|---|-----------|------------|--|-----------|------------|-------------------|---------------|--|--|-----|--|
| Chlorophylls  | 215-800-7 | 1406-65-1  | Trisodium (2S-trans)-[18-carboxy-20-(carboxymethyl)-13-ethyl-2,3-dihydro-3,7,12,17-tetramethyl-8-vinyl-21H,23H-porphine-2-propionato(5-)-N21,N22,N23,N24]cuprate(3-)<br>(Chlorophylls) | 215-800-7 |            | CI<br>75810/Green | 75<br>81<br>0 |  |  | 116 | Purity criteria as set out in Commission Directive 95/45/EC (E 140, E 141) |
| Spirit soluble chlorophyll  | 232-471-5 | 8049-84-1  | Trisodium (2S-trans)-[18-carboxy-20-(carboxymethyl)-13-ethyl-2,3-dihydro-3,7,12,17-tetramethyl-8-vinyl-21H,23H-porphine-2-propionato(5-)-N21,N22,N23,N24]cuprate(3-)<br>(Chlorophylls) | 232-471-5 | 8049-84-1  | CI<br>75810/Green | 75<br>81<br>0 |  |  | 116 | Purity criteria as set out in Commission Directive 95/45/EC (E 140, E 141) |
| Trisodium (2S-trans)-[18-carboxy-20-(carboxymethyl)-13-ethyl-2,3-dihydro-3,7,12,17-tetramethyl-8-vinyl-21H,23H-porphine-2-propionato(5-)-N21,N22,N23,N24]cuprate(3-)                                  | 234-242-5 | 11006-34-1 | Trisodium (2S-trans)-[18-carboxy-20-(carboxymethyl)-13-ethyl-2,3-dihydro-3,7,12,17-tetramethyl-8-vinyl-21H,23H-porphine-2-propionato(5-)-N21,N22,N23,N24]cuprate(3-)<br>(Chlorophylls) | 234-242-5 | 11006-34-1 | CI<br>75810/Green | 75<br>81<br>0 |  |  | 116 | Purity criteria as set out in Commission Directive 95/45/EC (E 140, E 141) |
| Copper, [3,7,11,15-tetramethyl-2-hexadecenyl 9-ethenyl-14-ethyl-21-(methoxycarbonyl)-4,8,13,18-tetramethyl-20-oxo-3-phorbinepropanoato(2-)-N23,N24,N25,N26]-, [SP-4-2-[3S-[3α(2E,7S*,11S*),4β,21β]]]- | 239-830-5 | 15739-09-0 | Trisodium (2S-trans)-[18-carboxy-20-(carboxymethyl)-13-ethyl-2,3-dihydro-3,7,12,17-tetramethyl-8-vinyl-21H,23H-porphine-2-propionato(5-)-N21,N22,N23,N24]cuprate(3-)<br>(Chlorophylls) | 239-830-5 |            | CI<br>75810/Green | 75<br>81<br>0 |  |  | 116 | Purity criteria as set out in Commission Directive 95/45/EC (E 140, E 141) |
| Copper, [3,7,11,15-tetramethyl-2-hexadecenyl 9-ethenyl-14-ethyl-13-formyl-21-(methoxycarbonyl)-4,8,18-trimethyl-20-oxo-3-phorbinepropanoato(2-  | 246-020-5 | 24111-17-9 | Trisodium (2S-trans)-[18-carboxy-20-(carboxymethyl)-13-ethyl-2,3-dihydro-3,7,12,17-tetramethyl-8-vinyl-21H,23H-porphine-2-propionato(5-)-N21,N22,N23,N24]cuprate(3-)<br>(Chlorophylls) | 246-020-5 |            | CI<br>75810/Green | 75<br>81<br>0 |  |  | 116 | Purity criteria as set out in Commission Directive 95/45/EC (E 140, E 141) |



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|  |                   |                                    |  |                   |                    |  |               |   |  |  |     |   |   |
|--|-------------------|------------------------------------|--|-------------------|--------------------|--|---------------|---|--|--|-----|---|---|
| )-N23,N24,N25,N26]-,<br>[SP-4-2-[3S-<br>[3a(2E,7S*,11S*),4β,2<br>1β]]- |                   |                                    |  |                   |                    |  |               |   |  |  |     |   |   |
| Chlorophyllins   | 287-<br>483-<br>3 | 8553<br>6-<br>03-4                 | Trisodium (2S-trans)-[18-<br>carboxy-20-(carboxymethyl)-13-<br>ethyl-2,3-dihydro-3,7,12,17-<br>tetramethyl-8-vinyl-21H,23H-<br>porphine-2-propionato(5-)-<br>N21,N22,N23,N24]cuprate(3-)<br>(Chlorophylls) | 287-<br>483-<br>3 |                    | CI<br>75810/Green                            | 75<br>81<br>0 |   |  |  | 116 | Purity criteria as set out in<br>Commission Directive 95/<br>45/EC (E 140, E 141) |   |
| Aluminium <sup>27</sup>  | 231-<br>072-<br>3 | 7429<br>-90-<br>5                  | Aluminium, Aluminium (Al)  | 231-<br>072-<br>3 | 742<br>9-<br>90-5  | CI<br>77000/White                            | 77<br>00<br>0 | y |  |  | 117 | Purity criteria as set out in<br>Commission Directive 95/<br>45/EC (E 173)        | y |
|  |                   |                                    | Aluminium, Aluminium (Al)  | 231-<br>072-<br>3 | 742<br>9-<br>90-5  |  |               |   |  |  | 117 | Purity criteria as set out in<br>Commission Directive 95/<br>45/EC (E 173)        | y |
| Calcium carbonate  | 207-<br>439-<br>9 | 471-<br>34-1,<br>7440<br>-70-<br>2 | Calcium carbonate  | 207-<br>439-<br>9 | 471-<br>34-1       | CI 77220 /<br>CALCIUM<br>CARBONATE/<br>White | 77<br>22<br>0 | y |  |  | 124 | Purity criteria as set out in<br>Commission Directive 95/<br>45/EC (E 170)        |   |
| Limestone  | 215-<br>279-<br>6 | 1317<br>-65-<br>3                  | Calcium carbonate  | 215-<br>279-<br>6 |                    | CI 77220 /<br>CALCIUM<br>CARBONATE/<br>White | 77<br>22<br>0 |   |  |  | 124 | Purity criteria as set out in<br>Commission Directive 95/<br>45/EC (E 170)        |   |
| Chromium (III) oxide   | 215-<br>160-<br>9 | 1308<br>-38-<br>9                  | Chromium (III) oxide   | 215-<br>160-<br>9 | 130<br>8-<br>38-9  | CI 77288 /<br>CHROMIUM<br>OXIDE<br>GREENS    | 77<br>28<br>8 | y |  |  | 129 | free from chromate ion  |   |
| Chromium (III)<br>hydroxide  | 215-<br>158-<br>8 | 1308<br>-14-<br>1                  | Chromium (III) hydroxide   | 215-<br>158-<br>8 | 130<br>8-<br>14-1  | CI 77289/<br>Green                           | 77<br>28<br>9 | y |  |  | 130 | free from chromate ion  |   |
| Chromoxidhydrat  | 601-<br>657-<br>1 | 1200<br>1-<br>99-9                 | Chromium (III) hydroxide,<br>Pigment green 18<br>(Chromium Hydroxide<br>Green, Viridian 3B)  |                   | 120<br>01-<br>99-9 |  |               |   |  |  | 130 | free from chromate ion  | y |
| Gold   | 231-<br>165-<br>9 | 7440<br>-57-<br>5                  | Gold   | 231-<br>165-<br>9 | 744<br>0-<br>57-5  | CI 77480 /<br>GOLD/ Brown                    | 77<br>48<br>0 | y |  |  | 133 | Purity criteria as set out in<br>Commission Directive 95/<br>45/EC (E 175)        |   |

<sup>27</sup> Aluminium has a harmonised classification under CLP Regulation as Flam. Sol. 1, Water-react. 2, Pyr. Sol. 1, Water-react. 2

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|   |           |             |   |                        |                             |   |               |   |  |  |     |   |   |
|---|-----------|-------------|---|------------------------|-----------------------------|---|---------------|---|--|--|-----|---|---|
| Iron hydroxide oxide                          | 243-746-4 | 2034 4-49-4 | Iron Oxide Yellow   | 243-746-4<br>215-570-8 | ,<br>203 44-49-4            | CI 77492/<br>Iron hydroxide oxide;<br>Hydrated ferric oxide /Yellow                         | 77<br>49<br>2 |   |  |  | 136 | Purity criteria as set out in Commission Directive 95/45/EC (E 172) |   |
| Iron hydroxide oxide yellow                   | 257-098-5 | 5127 4-00-1 | Iron Oxide Yellow, Pigment yellow 42 and 43                   | 257-098-5<br>215-570-8 | 512 74-00-1,<br>203 44-49-4 | CI 77492/<br>Iron hydroxide oxide yellow;<br>CI Pigment Yellow 42 /Yellow                   | 77<br>49<br>2 | y |  |  | 136 | Purity criteria as set out in Commission Directive 95/45/EC (E 172) | y |
| Iron oxide black                              | 235-442-5 | 1222 7-89-3 | Iron Oxide Black, Pigment black 11                            | 235-442-5              | 122 27-89-3                 | CI 77499/Iron oxide black;<br>CI Pigment Black 11;<br>Triiron tetraoxide/Black              | 77<br>49<br>9 |   |  |  | 137 | Purity criteria as set out in Commission Directive 95/45/EC (E 172) | y |
| Prussian blue                                 | 237-875-5 | 1403 8-43-8 | Ferric Ammonium Ferrocyanide                                  | 237-875-5              | 140 38-43-8                 | CI 77510/<br>Prussian blue; Ferric ferrocyanide;<br>Ferrate(4-), hexacyano-, iron(3+) (3:4) | 77<br>51<br>0 |   |  |  | 138 | free from cyanide ions  |   |
| Ammonium iron(3+) hexakis(cyano-C)ferrate(4-) | 247-304-1 | 2586 9-00-5 | Ferric Ammonium Ferrocyanide                                  | 247-304-1              | 258 69-00-5                 | CI 77510/<br>Blue   | 77<br>51<br>0 | y |  |  | 138 | free from cyanide ions  |   |
| C.I. Pigment Blue 27                          | 602-780-3 | 1224 0-15-2 | Ferric Ammonium Ferrocyanide, Pigment blue 27 (Prussian blue) |                        | 122 40-15-2                 |   |               |   |  |  | 138 | free from cyanide ions  | y |
| Silver  | 231-131-3 | 7440 -22-4  | Silver  | 231-131-3              | 744 0-22-4                  | CI 77820/<br>White  | 77<br>82<br>0 | y |  |  | 142 | Purity criteria as set out in Commission Directive 95/45/EC (E 174) |   |
|   |           |             | Silver  | 231-131-3              | 744 0-22-4                  |   |               |   |  |  | 142 | Purity criteria as set out in Commission Directive 95/45/EC (E 174) |   |

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|  |           |            |  |           |            |   |       |   |  |     |  |
|--|-----------|------------|--|-----------|------------|---|-------|---|--|-----|--|
| Anatase (TiO <sub>2</sub> )  | 215-280-1 | 1317-70-0  | Titanium dioxide                                     | 215-280-1 | 1317-70-0  | CI 77891, TITANIUM DIOXIDE/ White       | 77891 |   |  | 143 | Purity criteria as set out in Commission Directive 95/45/EC (E 171)    |
| Rutile (TiO <sub>2</sub> )   | 215-282-2 | 1317-80-2  | Titanium dioxide                                     | 215-282-2 | 1317-80-2  | CI 77891, TITANIUM DIOXIDE/ White       | 77891 | y |  | 143 | Purity criteria as set out in Commission Directive 95/45/EC (E 171)    |
| Titanium dioxide   | 236-675-5 | 13463-67-7 | Titanium dioxide, Pigment white 6 (titanium dioxide) | 236-675-5 | 13463-67-7 | CI 77891, TITANIUM DIOXIDE/ White       | 77891 | y |  | 143 | Purity criteria as set out in Commission Directive 95/45/EC (E 171)    |
|  |           |            | Titanium dioxide, Pigment white 6 (titanium dioxide) | 236-675-5 | 13463-67-7 |   |       |   |  | 143 | Purity criteria as set out in Commission Directive 95/45/EC (E 171)    |
| Riboflavin   | 201-507-1 | 83-88-5    | Riboflavin   | 201-507-1 | 83-88-5    |   |       |   |  | 145 | Purity criteria as set out in Commission Directive 95/45/EC (E 101)    |
| Riboflavin 5'-(sodium hydrogen phosphate)  | 204-988-6 | 130-40-5   | Riboflavin   | 204-988-6 |            | Riboflavin                              | 77891 |   |  | 145 | Purity criteria as set out in Commission Directive 95/45/EC (E 101)    |
| Caramel (color)  | 232-435-9 | 8028-89-5  | Caramel  | 232-435-9 | 8028-89-5  |   |       |   |  | 146 | Purity criteria as set out in Commission Directive 95/45/EC (E 150a-d) |
| (3R,3'S,5'R)-3,3'-dihydroxy-β,κ-caroten-6'-one   | 207-364-1 | 465-42-9   | (3R,3'S,5'R)-3,3'-Dihydroxy-β,κ-caroten-6'-one       | 207-364-1 | 465-42-9   | Paprika extract, Capsanthin, capsorubin | 32428 |   |  | 147 | Purity criteria as set out in Commission Directive 95/45/EC (E 160c)   |
| (3S,3'S,5R,5'R)-3,3'-dihydroxy-κ,κ-carotene-6,6'-dione   | 207-425-2 | 470-38-2   | (3R,3'S,5'R)-3,3'-Dihydroxy-β,κ-caroten-6'-one       | 207-425-2 |            | Paprika extract, Capsanthin, capsorubin | 32428 |   |  | 147 | Purity criteria as set out in Commission Directive 95/45/EC (E 160c)   |
| [S-(R*,R*)]-4-[2-[2-carboxy-5-(β-D-glucopyranosyloxy)-2,3-dihydro-6-hydroxy-1H-indol-1-yl]vinyl]-2,3-dihydropyridine-2,6-dicarboxylic acid | 231-628-5 | 7659-95-2  | Beetroot red   | 231-628-5 | 7659-95-2  |   |       |   |  | 148 | Purity criteria as set out in Commission Directive 95/45/EC (E 162)    |
| Beet, Beta vulgaris rapacea, ext.  | 289-609-2 | 89957-88-0 | Beetroot red   | 289-609-2 | 89957-88-0 |   |       |   |  | 148 | Purity criteria as set out in Commission Directive 95/45/EC (E 162)    |

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|---|-----------|----------------------|--|----------------------|----------------------|--|-------------------------------|---|--|-------------|------------|---|---|
| Beet, ext.  | 289-610-8 | 89957-89-1           | Beetroot red   | 289-610-8            | 89957-89-1           |  |                               |   |  | 148         |            | Purity criteria as set out in Commission Directive 95/45/EC (E 162)                             |   |
| 3,5,7-trihydroxy-2-(4-hydroxy-3-methoxyphenyl)-1-benzopyrylium chloride     | 205-125-6 | 134-01-0             | Anthocyanins (Cyanidin, Peonidin, Malvidin, Delphinidin, Petunidin, Pelargonidin)                                  | 205-125-6            | 134-01-0             |  |                               |   |  | 149         |            | Purity criteria as set out in Commission Directive 95/45/EC (E 163)                             |   |
| 3,5,7-trihydroxy-2-(4-hydroxyphenyl)benzopyrylium chloride                  | 205-127-7 | 134-04-3             | Anthocyanins (Cyanidin, Peonidin, Malvidin, Delphinidin, Petunidin, Pelargonidin)                                  | 205-127-7            | 134-04-3             |  |                               |   |  | 149         |            | Purity criteria as set out in Commission Directive 95/45/EC (E 163)                             |   |
| 3,5,7-trihydroxy-2-(3,4,5-trihydroxyphenyl)benzopyrylium chloride           | 208-437-0 | 528-53-0             | Anthocyanins (Cyanidin, Peonidin, Malvidin, Delphinidin, Petunidin, Pelargonidin)                                  | 208-437-0, 211-403-8 | 643-84-5, 528-53-0   |  |                               |   |  | 149         |            | Purity criteria as set out in Commission Directive 95/45/EC (E 163)                             |   |
| 3,3',4',5,7-pentahydroxyflavylium chloride                                  | 208-438-6 | 528-58-5             | Anthocyanins (Cyanidin, Peonidin, Malvidin, Delphinidin, Petunidin, Pelargonidin)                                  | 208-438-6            | 528-58-5             |  |                               |   |  | 149         |            | Purity criteria as set out in Commission Directive 95/45/EC (E 163)                             |   |
| 3,5,7-trihydroxy-2-(4-hydroxy-3,5-dimethoxyphenyl)-1-benzopyrylium chloride | 211-403-8 | 643-84-5             | Anthocyanins (Cyanidin, Peonidin, Malvidin, Delphinidin, Petunidin, Pelargonidin)                                  | 211-403-8, 208-437-0 | 528-53-0, 643-84-5   |  |                               |   |  | 149         |            | Purity criteria as set out in Commission Directive 95/45/EC (E 163)                             |   |
| Anthocyanins, grape   | 600-954-3 | 11029-12-2           | Anthocyanins (Cyanidin, Peonidin, Malvidin, Delphinidin, Petunidin, Pelargonidin)                                  |                      | 11029-12-2           |  |                               |   |  | 149         |            | Purity criteria as set out in Commission Directive 95/45/EC (E 163)                             |   |
| Diiron trioxide   | 215-168-2 | 1309-37-1, 7439-89-6 | Aluminum silicate coloured with ferric oxide, Iron Oxide red, Iron Oxide Black, Pigment red 101 and 102, Iron (Fe) | 215-168-2,           | 1309-37-1, 7439-89-6 | CI 77015/Red, CI 77491/ CI 77499; Diiron trioxide; Ferric oxide/ Red, CI 77499/Black | 77015, 5, 77499, 49, 77499, 9 | y |  | 121,135,137 |            | Purity criteria as set out in Commission Directive 95/45/EC (E 172) (#135, #137)                | y |
| Carbon black  | 215-609-9 | 1333-86-4            | carbon black (nano), Pigment black 6 and 7 (graphite)  | 215-609-9            | 1333-86-4            | CI 77266 / CARBON BLACK  | 77266, 6                      | y |  | 126a,126    | #126a: 10% | #126: Purity > 97 %, with the following impurity profile: Ash content ≤ 0,15 %, total sulphur ≤ | y |

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|--|-----------|-----------|--|-----------|-----------|--|---|---|--|-------------------------|--|---|
| Carbon                                   | 231-153-3 | 7440-44-0 | carbon black (nano)  | 231-153-3 | 7440-44-0 | CI 77266 / CARBON BLACK  | 77<br>26<br>6                                     |   |  | 126<br>a,1<br>26        | <p>0,65 %, total PAH ≤ 500 ppb and benzo(a)pyrene ≤ 5 ppb, dibenz(a,h)anthracene ≤ 5 ppb, total As ≤ 3 ppm, total Pb ≤ 10 ppm, total Hg ≤ 1 ppm.</p> <p><b>#126a:</b> Not to be used in applications that may lead to exposure of the end user's lungs by inhalation. Only nanomaterials having the following characteristics are allowed: — Purity &gt; 97 %, with the following impurity profile: Ash content ≤ 0,15 %, total sulphur ≤ 0,65 %, total PAH ≤ 500 ppb and benzo(a)pyrene ≤ 5 ppb, dibenz(a,h)anthracene ≤ 5 ppb, total As ≤ 3 ppm, total Pb ≤ 10 ppm, and total Hg ≤ 1 ppm; — Primary particle size ≥ 20 nm.</p> |   |
| Activated Carbon - High Density Skeleton | 931-328-0 | -         | carbon black (nano)  | 931-328-0 |           | CI 77266 / CARBON BLACK  | 77<br>26<br>6                                     | y |  | 126<br>a,1<br>26        |  |   |
| Activated Carbon - Low Density Skeleton  | 931-334-3 | -         | carbon black (nano)  | 931-334-3 |           | CI 77266 / CARBON BLACK  | 77<br>26<br>6                                     | y |  | 126<br>a,1<br>26        |  |   |
|  |           |           | carbon black (nano), Pigment black 6 and 7 (graphite)                      | 215-609-9 | 1333-86-4 |  |   |   |  | 126<br>a,1<br>26        |  | y |
| Iron oxide                               | 215-721-8 | 1345-25-1 | Iron oxide, Iron Oxide red, Iron Oxide Black                               | 215-721-8 | 1345-25-1 | CI 77489/ CI 77491; CI 77499; Iron oxide; Ferrous oxide/ Orange, CI 77491/ Red, CI 77499/Black | 77<br>48<br>9,<br>77<br>49<br>1,<br>77<br>49<br>9 | y |  | 134<br>,13<br>5,1<br>37 | Purity criteria as set out in Commission Directive 95/45/EC (E 172) (#135, #137)   |   |
| Natural iron oxide                       | 215-722-3 | 1345-27-3 | Iron Oxide red, Iron Oxide Yellow, Iron Oxide Black, Pigment brown 6 and 7 | 215-722-3 | 1345-27-3 | CI 77491/ CI 77492; CI 77499; Natural iron oxide; CI Pigment                                   | 77<br>49<br>1,<br>77<br>49<br>2,                  |   |  | 135<br>,13<br>6,1<br>37 | Purity criteria as set out in Commission Directive 95/45/EC (E 172)  | y |

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|   |           |           |   |           |           |  |               |   |                  |    |    |   |  |
|---|-----------|-----------|---|-----------|-----------|--|---------------|---|------------------|----|----|---|--|
|   |           |           |   |           |           | Brown 7/<br>Red, CI<br>77492/<br>Yellow, CI<br>77499/Black | 77<br>49<br>9 |   |                  |    |    |   |  |
| Disodium 2-(3-oxo-6-oxidoxanthen-9-yl)benzoate                                | 208-253-0 | 518-47-8  | 2-(6-Hydroxy-3-oxo-(3H)xanthen-9-yl)benzoic acid; Fluorescein and its disodium salt (Acid Yellow 73 sodium salt; CI 45350) when used as a substance in hair dye products, Disodium 2-(3-oxo-6-oxidoxanthen-9-yl)benzoate  | 208-253-0 | 518-47-8  | CI 45350/<br>Yellow  | 45<br>35<br>0 | y | 1<br>3<br>3<br>2 | 74 | 6% |   |  |
| 2-(6-hydroxy-3-oxo-(3H)-xanthen-9-yl)benzoic acid                             | 219-031-8 | 2321-07-5 | 2-(6-Hydroxy-3-oxo-(3H)xanthen-9-yl)benzoic acid; Fluorescein and its disodium salt (Acid Yellow 73 sodium salt; CI 45350) when used as a substance in hair dye products, Disodium 2-(3-oxo-6-oxidoxanthen-9-yl)benzoate  | 219-031-8 | 2321-07-5 | CI 45350/<br>Yellow  | 45<br>35<br>0 | y | 1<br>3<br>3<br>2 | 74 | 6% |   |  |
| 4',5'-dibromo-3',6'-dihydroxyspiro[isobenzofuran-1(3H),9'-[9H]xanthene]-3-one | 209-876-0 | 596-03-2  | 4',5'-Dibromo-3',6'-dihydroxyspiro[isobenzofuran-1(3H),9'-[9H]xanthene]-3-one; 4',5'-Dibromofluorescein; (Solvent Red 72) and its disodium salt (CI 45370) when used as a substance in hair dye products, 4',5'-Dibromo-3',6'-dihydroxyspiro[isobenzofuran-1(3H),9'-[9H]xanthene]-3-one and its insoluble barium, strontium and zirconium lakes, salts and pigments | 209-876-0 | 596-03-2  | CI 45370 /<br>SOLVENT<br>RED 72/<br>Orange                 | 45<br>37<br>0 | y | 1<br>3<br>3<br>3 | 75 |    | Not more than 1 % 2-(6-hydroxy-3-oxo-3H-xanthen-9-yl) benzoic acid and 2 % 2-(bromo-6-hydroxy-3-oxo-3H-xanthen-9-yl) benzoic acid |  |
| Disodium 2-(4,5-dibromo-6-oxido-3-oxoxanthen-9-yl)benzoate                    | 224-468-2 | 4372-02-5 | 4',5'-Dibromo-3',6'-dihydroxyspiro[isobenzofuran-1(3H),9'-[9H]xanthene]-3-one; 4',5'-Dibromofluorescein; (Solvent Red 72) and its disodium salt (CI 45370) when used as a substance in hair dye products, 4',5'-Dibromo-3',6'-dihydroxyspiro[isobenzofuran-1(3H),9'-[9H]xanthene]-3-one and its insoluble barium,   | 224-468-2 | 4372-02-5 | CI 45370 /<br>SOLVENT<br>RED 72/<br>Orange                 | 45<br>37<br>0 |   | 1<br>3<br>3<br>3 | 75 |    | Not more than 1 % 2-(6-hydroxy-3-oxo-3H-xanthen-9-yl) benzoic acid and 2 % 2-(bromo-6-hydroxy-3-oxo-3H-xanthen-9-yl) benzoic acid |  |

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|--|-----------|------------|---|----------------------|------------|---|-------|----|---|----|-------------|---|
|  |           |            | strontium and zirconium lakes, salts and pigments   |                      |            |   |       |    |   |    |             |   |
| 2-(3,6-dihydroxy-2,4,5,7-tetrabromoxanthen-9-yl)-benzoic acid              | 239-138-3 | 15086-94-9 | 2-(3,6-Dihydroxy-2,4,5,7-tetrabromoxanthen-9-yl)benzoic acid; Fluorescein, 2',4',5',7'-tetrabromo-; (Solvent Red 43), its disodium salt (Acid Red 87; CI 45380) and its aluminium salt (Pigment Red 90:1 Aluminium lake) when used as a substance in hair dye products, Disodium 2-(2,4,5,7-tetrabromo-6-oxido-3-oxoxanthen-9-yl)benzoate and its insoluble barium, strontium and zirconium lakes, salts and pigments | 239-138-3            | 15086-94-9 | CI 45380/ Red   | 45380 | 0  | y | 4  | 76          | Not more than 1 % 2-(6-hydroxy-3-oxo-3H-xanthen-9-yl) benzoic acid and 2 % 2-(bromo-6-hydroxy-3-oxo-3H-xanthen-9-yl) benzoic acid |
| Dialuminium tris[2-(2,4,5,7-tetrabromo-6-oxido-3-oxoxanthen-9-yl)benzoate] | 240-005-7 | 15876-39-8 | 2-(3,6-Dihydroxy-2,4,5,7-tetrabromoxanthen-9-yl)benzoic acid; Fluorescein, 2',4',5',7'-tetrabromo-; (Solvent Red 43), its disodium salt (Acid Red 87; CI 45380) and its aluminium salt (Pigment Red 90:1 Aluminium lake) when used as a substance in hair dye products, Disodium 2-(2,4,5,7-tetrabromo-6-oxido-3-oxoxanthen-9-yl)benzoate and its insoluble barium, strontium and zirconium lakes, salts and pigments | 240-005-7            | 15876-39-8 | CI 45380 / PIGMENT RED 90:1 ALUMINUM LAKE                                       | 45380 | 0  | y | 4  | 76          | Not more than 1 % 2-(6-hydroxy-3-oxo-3H-xanthen-9-yl) benzoic acid and 2 % 2-(bromo-6-hydroxy-3-oxo-3H-xanthen-9-yl) benzoic acid |
| Triiron tetraoxide   | 215-277-5 | 1317-61-9  | Iron Oxide red, Iron Oxide Black  | 215-277-5            | 1317-61-9  | CI 77491/ CI 77499; Triiron tetraoxide; Ferrosferric oxide/ Red, CI 77499/Black | 77499 | 49 | 1 | 77 | 135,137     | Purity criteria as set out in Commission Directive 95/45/EC (E 172)   |
| Iron oxide brown   | 257-870-1 | 52357-70-7 | Iron Oxide red, Iron Oxide Black, Iron Oxide Yellow, Pigment brown 6 and 7  | 257-870-1, 257-670-1 | 52357-70-7 | CI 77491/ CI 77492; CI 77499; Iron oxide brown; CI Pigment Brown 6 /            | 77491 | 49 | 1 | 77 | 135,137,136 | Purity criteria as set out in Commission Directive 95/45/EC (E 172)   |

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|---|-----------|-------------|---|----------------------|------------------|--|---------|---|---------|---------------------|--|---|---|
|   |           |             |   |                      |                  | Red, CI<br>77499/Black                   |         |   |         |                     |  |   |   |
| Disodium 2-(2,4,5,7-tetrabromo-6-oxido-3-oxoxanthen-9-yl)benzoate           | 241-409-6 | 1737 2-87-1 | 2-(3,6-Dihydroxy-2,4,5,7-tetrabromoxanthen-9-yl)benzoic acid; Fluorescein, 2',4',5',7'-tetrabromo-; (Solvent Red 43), its disodium salt (Acid Red 87; CI 45380) and its aluminium salt (Pigment Red 90:1 Aluminium lake) when used as a substance in hair dye products, Disodium 2-(2,4,5,7-tetrabromo-6-oxido-3-oxoxanthen-9-yl)benzoate and its insoluble barium, strontium and zirconium lakes, salts and pigments | 241-409-6            | 173 72-87-1      | CI 45380 / ACID RED 87                   | 45 38 0 | y | 1 3 3 4 | 76                  |  | Not more than 1 % 2-(6-hydroxy-3-oxo-3H-xanthen-9-yl) benzoic acid and 2 % 2-(bromo-6-hydroxy-3-oxo-3H-xanthen-9-yl) benzoic acid |   |
| 2-(3,6-dihydroxy-2,4,5,7-tetraiodoxanthen-9-yl)benzoic acid, aluminium salt | 235-440-4 | 1222 7-78-0 | 2',4',5',7'-Tetraiodofluorescein, its disodium salt (Acid Red 51; CI 45430) and its aluminium salt (Pigment Red 172 Aluminium lake) when used as a substance in hair dye products, Disodium 2-(2,4,5,7-tetraiodo-6-oxido-3-oxoxanthen-9-yl)benzoate and its insoluble barium, strontium and zirconium lakes, salts and pigments   | 235-440-4            | 122 27-78-0      | CI 45430 / PIGMENT RED 172 ALUMINUM LAKE | 45 43 0 | y | 1 3 3 7 | 80                  |  | Purity criteria as set out in Commission Directive 95/45/EC (E 127)   |   |
| Disodium 2-(2,4,5,7-tetraiodo-6-oxido-3-oxoxanthen-9-yl)benzoate            | 240-474-8 | 1642 3-68-0 | 2',4',5',7'-Tetraiodofluorescein, its disodium salt (Acid Red 51; CI 45430) and its aluminium salt (Pigment Red 172 Aluminium lake) when used as a substance in hair dye products, Disodium 2-(2,4,5,7-tetraiodo-6-oxido-3-oxoxanthen-9-yl)benzoate and its insoluble barium, strontium and zirconium lakes, salts and pigments   | 240-474-8            | 164 23-68-0      | CI 45430 / ACID RED 51                   | 45 43 0 | y | 1 3 3 7 | 80                  |  | Purity criteria as set out in Commission Directive 95/45/EC (E 127)   |   |
| Iron oxide  | 215-570-8 | 1332 -37-2  | Iron Oxide Yellow, Aluminum silicate coloured with ferric oxide, Iron Oxide red, Iron Oxide Black, Pigment red 101 and 102  | 215-570-8, 215-168-2 | 203 44-49-4, 130 | CI 77492/ Yellow                         | 77 49 2 |   |         | 136 ,12 1,1 35, 137 |  | Purity criteria as set out in Commission Directive 95/45/EC (E 172) (#136, #137)  | y |



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|  |           |           |  |                      | 9-37-1               |                        |         |   |  |               |    |  |  |   |
| Trisodium 1-(1-naphthylazo)-2-hydroxynaphthalene-4',6,8-trisulphonate  | 220-036-2 | 2611-82-7 | Trisodium 1-(1-naphthylazo)-2-hydroxynaphthalene-4',6,8-trisulphonate and aluminium lake (18); (CI 16255), Trisodium 1-(1-naphthylazo)-2-hydroxynaphthalene-4',6,8-trisulphonate and its insoluble barium, strontium and zirconium lakes, salts and pigments, Disodium 6-hydroxy-5-[(4-sulphonatophenyl)azo]naphthalene-2-sulphonate and its insoluble barium, strontium and zirconium lakes, salts and pigments, Acid red 18, Food yellow 3 (Sunset yellow, E110) | 220-036-2, 220-491-7 | 261-82-7, 278-3-94-0 | CI 16255 / ACID RED 18 | 16-25-5 | y |  | 35, 31        |    |  | Purity criteria as set out in Commission Directive 95/45/EC (E 124) (#35)<br>Purity criteria as set out in Commission Directive 95/45/EC (E 110) (#31) | y |
| 1-[(2-chloro-4-nitrophenyl)azo]-2-naphthol   | 220-562-2 | 2814-77-9 | 1-[(2-Chloro-4-nitrophenyl)azo]-2-naphthol (Pigment Red 4; CI 12085) and its salts when used as a substance in hair dye products, 1-[(2-Chloro-4-nitrophenyl)azo]-2-naphthol and its insoluble barium, strontium and zirconium lakes, salts and pigments, Pigment red 4  | 220-562-2            | 281-4-77-9           | CI 12085/Red           | 12-08-5 | y |  | 1-3-4-5<br>9  | 3% |  |  | y |
| Trisodium 3-hydroxy-4-(4'-sulphonatonaphthylazo)naphthalene-2,7-disulphonate   | 213-022-2 | 915-67-3  | Trisodium 3-hydroxy-4-(4'-sulphonatonaphthylazo)naphthalene-2,7-disulphonate (Acid Red 27; CI 16185) when used as a substance in hair dye products, Trisodium 3-hydroxy-4-(4'-sulphonatonaphthylazo)naphthalene-2,7-disulphonate   | 213-022-2            | 915-67-3             | CI 16185 / ACID RED 27 | 16-18-5 | y |  | 1-3-5-0<br>33 |    |  | Purity criteria as set out in Commission Directive 95/45/EC (E 123)  |   |
| Bis[hydrogen [4-[4-(diethylamino)-5'-hydroxy-2',4'-disulphonatobenzhydrylidene]cyclohexa-2,5-dien-1-ylidene]diethylammonium], calcium salt | 222-573-8 | 3536-49-0 | Ethanaminium, N-(4-((4-diethylamino)phenyl)(5-hydroxy-2,4-disulphophenyl)methylene)-2,5-cyclohexadien-1-ylidene)-N-ethyl-, hydroxide, inner salt, calcium salt (2:1) (Acid Blue 3; CI 42051) when used as a substance in hair dye products, Ethanaminium, N-(4-((4-(diethylamino)phenyl)(5-  | 222-573-8            | 353-6-49-0           | CI 42051 / ACID BLUE 3 | 42-05-1 |   |  | 1-3-5-6<br>60 |    |  | Purity criteria as set out in Commission Directive 95/45/EC (E 131)  |   |

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|---|-----------|------------|---|-----------|------------|--|-----------------------|---|--|---------|--|--|
|   |           |            | hydroxy-2,4-disulphophenyl)methylene)-2,5-cyclohexadien-1-ylidene)-N-ethylhydroxide, inner salt, calcium salt (2:1) and its insoluble barium, strontium and zirconium lakes, salts and pigments   |           |            |  |                       |   |  |         |  |  |
| $\beta,\beta$ -carotene   | 230-636-6 | 7235-40-7  | beta Carotene, CI Food Orange 5   | 230-636-6 | 7235-40-7  | CI 40800/Orange, CI 75130 / BETA-CAROTENE/ Orange                        | 40800, 80, 0, 75, 130 | y |  | 55, 111 |  | Purity criteria as set out in Commission Directive 95/45/EC (E 160e) |
| 8'-apo- $\beta$ -caroten-8'-al  | 214-171-6 | 1107-26-2  | 8'-apo-.beta.-Caroten-8'-al, CI Food Orange 5   | 214-171-6 | 1962-15-8, | CI 40820/Orange, CI 75130 / BETA-CAROTENE/ Orange                        | 40820, 82, 0, 75, 130 |   |  | 56, 111 |  | Purity criteria as set out in Commission Directive 95/45/EC (E 160e) |
| Dihydrogen (ethyl)[4-[[4-[ethyl(3-sulphonatobenzyl)amino]phenyl](2-sulphonatophenyl)methylene]cyclohexa-2,5-dien-1-ylidene](3-sulphonatobenzyl)ammonium, aluminium salt | 272-939-6 | 68921-42-6 | Benzenemethanaminium, N-ethyl-N-[4-[[4-[ethyl(3-sulphophenyl)methyl]-amino]-phenyl](2-sulphophenyl)methylene]-2,5-cyclohexadien-1-ylidene]-3-sulfo, inner salts, disodium salt and its ammonium and aluminium salts (18); (CI 42090), Benzenemethanaminium, N-ethyl-N-(4-((4-(ethyl((3-sulphophenyl)methyl)amino)phenyl)(2-sulphophenyl)methylene)-2,5-cyclohexadien-1-ylidene)-3-sulfo-, hydroxide, inner salt, disodium salt, Dihydrogen (ethyl)[4-[[4-[ethyl(3-sulphonatobenzyl)amino]phenyl](2-sulphonatophenyl)methylene]cyclohexa-2,5-dien-1-ylidene](3-sulphonatobenzyl)ammonium, aluminium salt | 272-939-6 | 68921-42-6 | CI 42090/ ACID BLUE 9 ALUMINUM LAKE / BLUE 1 LAKE, Blue Lake 1/ CI 42090 | 42090, 42, 09, 0      | y |  | 63, 63  |  | Purity criteria as set out in Commission Directive 95/45/EC (E 133)  |