

Substance Name: diisohexyl phthalate

EC Number: 276-090-2

CAS Number: 71850-09-4

SUPPORT DOCUMENT FOR IDENTIFICATION OF

DIISOHEXYL PHTHALATE

**AS A SUBSTANCE OF VERY HIGH CONCERN
BECAUSE OF ITS TOXIC FOR REPRODUCTION
(ARTICLE 57C) PROPERTIES**

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IDENTIFICATION OF A SUBSTANCE OF VERY HIGH CONCERN ON THE BASIS OF THE CRITERIA SET OUT IN REACH ARTICLE 57

Substance name: diisohexyl phthalate

EC number: 276-090-2

CAS number: 71850-09-4

- The substance is identified as a substance meeting the criteria of Article 57 (c) of Regulation (EC) No 1907/2006 (REACH) owing to its classification¹ in the hazard class toxic for reproduction category 1B².

Summary of how the substance meets the criteria set out in Article 57 of the REACH Regulation

According to an adopted opinion from RAC (ECHA, 2017), diisohexyl phthalate meets the criteria for classification in the hazard class:

- Toxic for reproduction category 1B in accordance with Article 57 (c) of the REACH Regulation.

Registration dossiers submitted for the substance: No

¹ The substance does not yet have a harmonised classification, but according to an adopted opinion from RAC (ECHA, 2017), the substance meets the criteria in the hazard class toxic for reproduction, category 1B.

² Classification in accordance with section 3.7 of Annex I to Regulation (EC) No 1272/2008

Justification

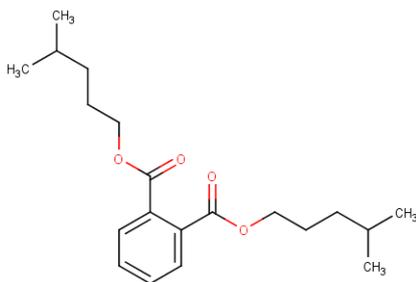
1. Identity of the substance and physical and chemical properties

1.1 Name and other identifiers of the substance

Table 1: Substance identity

EC number:	276-090-2
EC name:	diisohexyl phthalate
CAS number (in the EC inventory):	71850-09-4
CAS number: Deleted CAS numbers:	
CAS name:	
IUPAC name:	1,2-bis(4-methylpentyl) benzene-1,2-dicarboxylate
Index number in Annex VI of the CLP Regulation	
Molecular formula:	C ₂₀ H ₃₀ O ₄
Molecular weight range:	
Synonyms:	

Structural formula:



1.2 Composition of the substance

Name: diisohexyl phthalate

Description: organic

Substance type: mono-constituent

1.3 Physicochemical properties

Not relevant for the identification of the substance as SVHC in accordance with Article 57 (c) of the REACH regulation.

2. Harmonised classification and labelling

According to an adopted opinion by RAC (ECHA, 2017) the substance diisohexyl phthalate meets the criteria for classification in the hazard class toxic for reproduction category 1B (May damage fertility. May damage the unborn child) in accordance with the CLP Regulation³.

³ Classification in accordance with section 3.7 of Annex I to Regulation (EC) No 1272/2008.

3. Environmental fate properties

Not relevant for the identification of the substance as SVHC in accordance with Article 57 (c) of the REACH Regulation.

4. Human health hazard assessment

Not relevant for the identification of the substance as SVHC in accordance with Article 57 (c) of the REACH Regulation.

5. Environmental hazard assessment

Not relevant for the identification of the substance as SVHC in accordance with Article 57 (c) of the REACH Regulation.

6. Conclusions on the SVHC Properties

6.1 CMR assessment

According to the adopted opinion by RAC (ECHA, 2017) the substance diisohexyl phthalate meets the criteria for classification in the hazard class toxic for reproduction category 1B (May damage fertility. May damage the unborn child)⁴.

The substance therefore fulfils the criteria in accordance with Article 57 (c) of the REACH Regulation.

⁴ Classification in accordance with section 3.7 of Annex I to Regulation (EC) No 1272/2008.

REFERENCES

- EU (2006). Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC. Official Journal of the European Union, L396: 1-849.
- EU (2008). Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packing of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006. Official Journal of the European Union, L353: 1-1355.
- ECHA (2017). RAC Opinion proposing harmonised classification and labelling at EU level of diisohexyl phthalate, Adopted 9 June 2017. Available at <https://echa.europa.eu/documents/10162/66be881a-6813-9d40-4c16-df3ffc768b6> (accessed on 11 July 2019).