

Summary of product characteristics for a biocidal product

Product name: LIGNEX DEFEND

Product type(s): PT08 - Wood preservatives (Preservatives)

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Authorisation number: AT-0016053-0000

R4BP 3 asset reference number: AT-0016053-0000

Table Of Contents

Administrative information	1
1.1. Trade names of the product	1
1.2. Authorisation holder	1
1.3. Manufacturer(s) of the biocidal products	1
1.4. Manufacturer(s) of the active substance(s)	2
2. Product composition and formulation	2
2.1. Qualitative and quantitative information on the composition of the biocidal product	2
2.2. Type of formulation	2
3. Hazard and precautionary statements	2
4. Authorised use(s)	3
5. General directions for use	9
5.1. Instructions for use	9
5.2. Risk mitigation measures	10
5.3. Particulars of likely direct or indirect effects, first aid instructions and emergency measures to protect the environment	10
5.4. Instructions for safe disposal of the product and its packaging	10
5.5. Conditions of storage and shelf-life of the product under normal conditions of storage	10
6. Other information	11

Administrative information

1.1. Trade names of the product

LIGNEX DEFEND
LIGNEX DEFEND
TRATTAMENTO ANTITARLO A SOLVENTE
LIGNEX DEFEND
LIGNEX DEFEND
LIGNEX DEFEND

1.2. Authorisation holder

Name and address of the authorisation holder	Name	J.F. Amonn Srl/GmbH
	Address	Via Altmann 12 Altmannstraße I-39100 Bolzano/Bozen Italy
Authorisation number	AT-0016053-0000	
R4BP 3 asset reference number	AT-0016053-0000	
Date of the authorisation	13/01/2023	
Expiry date of the authorisation	13/01/2028	

1.3. Manufacturer(s) of the biocidal products

Name of the manufacturer	Amonn Coatings GmbH
Address of the manufacturer	An der Landesbahn 7 A-2100 Korneuburg Austria
Location of manufacturing sites	An der Landesbahn 7 A-2100 Korneuburg Austria

1.4. Manufacturer(s) of the active substance(s)

Active substance	1342 - Permethrin
Name of the manufacturer	LANXESS Deutschland GmbH
Address of the manufacturer	Kennedyplatz 1 50569 Köln Germany
Location of manufacturing sites	Bayer Vapi Private Limited. Plot # 306/3 II Phase, GIDC, Vapi 396 195 Gujarat India

2. Product composition and formulation

2.1. Qualitative and quantitative information on the composition of the biocidal product

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Permethrin		Active Substance	52645-53-1	258-067-9	0,25
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics	Non-active substance			96,5

2.2. Type of formulation

AL - Any other liquid

3. Hazard and precautionary statements

Hazard statements

May be fatal if swallowed and enters airways.
Very toxic to aquatic life with long lasting effects.
Repeated exposure may cause skin dryness or cracking.
Contains permethrin. May produce an allergic reaction.

Precautionary statements

If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Read carefully and follow all instructions.

Do not breathe mist.

Do not breathe vapours.

Do not breathe spray.

Do not get in eyes, on skin, or on clothing.

Avoid release to the environment.

IF SWALLOWED: Immediately call a POISON CENTER.

IF SWALLOWED: Immediately call a doctor.

Do NOT induce vomiting.

Collect spillage.

Store locked up.

Dispose of contents to local/regional/national/international regulations.

4. Authorised use(s)

4.1 Use description

Use 1 - Use # 1 – Wood boring beetles - non-professional user – brushing – indoor/outdoor

Product type	PT08 - Wood preservatives (Preservatives)
Where relevant, an exact description of the authorised use	---
Target organism(s) (including development stage)	Scientific name: Wood boring beetles Common name: Wood boring beetles Development stage: Larvae
Field(s) of use	Indoor Outdoor Application of the product (i.e. brushing): Indoor/outdoor Preservation of wood for use in Use Class 1. Preventive and curative use for small scale surfaces and objects (up to max. 3 m ²).
Application method(s)	Method: Open system: brush treatment Detailed description: Application method: Brushing.
Application rate(s) and frequencies	Application Rate: Preventive use: 1 coat 120-150 mL/m ² (95–119 g/m ²), equivalent to approx. 7–8 m ² /L Curative use: 2 coats, yield in a total of 300 mL/m ² (238 g/m ²), equivalent to 3 m ² /L Dilution (%): 0

	Number and timing of application: Not specified
Category(ies) of users	General public (non-professional)
Pack sizes and packaging material	0.75 L – 1 L - 2.5 L - 4 L – 5 L tin can (tin plate)

4.1.1 Use-specific instructions for use

Mix well before use.
Preventive treatment: Treat the wood with the recommended application rate (1 coat).
Curative treatment: Treat the wood with the recommended application rate (2 coats).

4.1.2 Use-specific risk mitigation measures

Apply the product only to small indoor surfaces or objects. Treat max. 3 m². Curative treatment of load-bearing or stiffening wooden components and larger wooden objects is only allowed to be performed by qualified specialist companies.
Do not apply directly on or near food, feed or drinks, or on surfaces or utensils likely to be in direct contact with food, feed, drinks and livestock/pets.

4.1.3 Where specific to the use, the particulars of likely direct or indirect effects, first aid instructions and emergency measures to protect the environment

4.1.4 Where specific to the use, the instructions for safe disposal of the product and its packaging

4.1.5 Where specific to the use, the conditions of storage and shelf-life of the product under normal conditions of storage

4.2 Use description

Use 2 - Use # 2 – Wood boring beetles - professional and industrial user – brushing, dipping – indoor/outdoor

Product type

PT08 - Wood preservatives (Preservatives)

Where relevant, an exact description of the authorised use	---
Target organism(s) (including development stage)	Scientific name: Wood boring beetles Common name: Wood boring beetles Development stage: Larvae
Field(s) of use	Indoor Outdoor Application of the product (i.e. brushing/dipping): Indoor/outdoor Preservation of wood for use in Use Class 1 (preventive and curative). Preventive and curative use for all parts in wood statically loaded in dry interior rooms.
Application method(s)	Method: Brushing, dipping (manual/automated/fully automated) Detailed description: Brushing, dipping (manual/automated/fully automated)
Application rate(s) and frequencies	Application Rate: Preventive use: 1 coat 120- 150 mL/m ² (95–119 g/m ²), equivalent to approx. 7–8 m ² /L Curative use: 2 coats, yield in a total of 300 mL/m ² (238 g/m ²), equivalent to 3 m ² /L Dilution (%): 0 Number and timing of application: Not specified
Category(ies) of users	Industrial Professional
Pack sizes and packaging material	Professional: 0.75 L – 1 L - 2.5 L - 4 L – 5 L – 6 L – 20 L – 25 L tin can (tin plate) Industrial: 20 L – 25 L tin can (tin plate)

4.2.1 Use-specific instructions for use

Mix well before use.
Preventive treatment: Treat the wood with the recommended application rate (1 coat).
Curative treatment: Treat the wood with the recommended application rate (2 coats).

4.2.2 Use-specific risk mitigation measures

Brushing:
Wear protective chemical resistant gloves during product handling phase (glove material to be specified by the authorisation holder within the product information).

Dipping (manual/automated/fully automated):

Wear protective chemical resistant gloves during product handling phase (glove material to be specified by the authorisation holder within the product information).

Wear a protective coverall (at least type 6, EN 13034) which is impermeable for the biocidal product (coverall material to be specified by the authorisation holder within the product information).

All industrial application processes must be carried out within a contained area situated on impermeable hard standing with bunding to prevent run-off and a recovery system in place (e.g. sump).

Freshly treated timber must be stored after treatment under shelter or on impermeable hard standing, or both, to prevent direct losses to soil, sewer or water, and that any losses of the product, including any contaminated water/soil must be collected for reuse or disposal in accordance with local/national/international requirements.

4.2.3 Where specific to the use, the particulars of likely direct or indirect effects, first aid instructions and emergency measures to protect the environment

4.2.4 Where specific to the use, the instructions for safe disposal of the product and its packaging

4.2.5 Where specific to the use, the conditions of storage and shelf-life of the product under normal conditions of storage

4.3 Use description

Use 3 - Use # 3 – Wood boring beetles - professional user – injection, borehole impregnation – indoor

Product type

PT08 - Wood preservatives (Preservatives)

Where relevant, an exact description of the authorised use

Target organism(s) (including development stage)

Scientific name: Wood boring beetles
Common name: Wood boring beetles
Development stage: Larvae

Field(s) of use

Indoor

Application of the product (i.e. injection/borehole impregnation): Indoor

Preservation of wood for use in Use Class 1 (curative). The product can be used for all parts in wood statically loaded in dry interior rooms.

Application method(s)

Method: Injection, borehole impregnation
Detailed description:
Injection, borehole impregnation

Application rate(s) and frequencies

Application Rate: Curative use: 12.5 L/m³ (9.9 kg/m³)
Dilution (%): 0
Number and timing of application:
Not specified

Category(ies) of users

Professional

Pack sizes and packaging material

Professional: 0.75 L – 1 L - 2.5 L - 4 L – 5 L – 6 L – 20 L – 25 L tin can (tin plate)

4.3.1 Use-specific instructions for use

Mix well before use.
Apply for curative treatment with the recommended application rate.

4.3.2 Use-specific risk mitigation measures

Borehole impregnation:
Wear protective chemical resistant gloves during product handling phase (glove material to be specified by the authorisation holder within the product information).
Injection:
Wear protective chemical resistant gloves during product handling phase (glove material to be specified by the authorisation holder within the product information).
Wear a protective coverall (at least type type 6, EN 13034) which is impermeable for the biocidal product (coverall material to be specified by the authorisation holder within the product information).

4.3.3 Where specific to the use, the particulars of likely direct or indirect effects, first aid instructions and emergency measures to protect the environment

4.3.4 Where specific to the use, the instructions for safe disposal of the product and its packaging

4.3.5 Where specific to the use, the conditions of storage and shelf-life of the product under normal conditions of storage

4.4 Use description

Use 4 - Use # 4 – Wood boring beetles - professional user – combination of injection/borehole impregnation with brushing – indoor

Product type	PT08 - Wood preservatives (Preservatives)
Where relevant, an exact description of the authorised use	---
Target organism(s) (including development stage)	Scientific name: Wood boring beetles Common name: Wood boring beetles Development stage: Larvae
Field(s) of use	Indoor Application of the product (i.e. combination of injection/ borehole impregnation with brushing): Indoor Preservation of wood for use in Use Class 1 (curative). The product can be used for all parts in wood statically loaded in dry interior rooms.
Application method(s)	Method: Combination of injection/borehole impregnation with brushing Detailed description: Combination of injection/borehole impregnation with brushing
Application rate(s) and frequencies	Application Rate: Combine Injection, borehole impregnation: 10 L/m ³ (8.0 kg/m ³) with Brushing: 1 coat 120-150 mL/m ² (95–119 g/m ²), equivalent to approx. 7–8 m ² /L Dilution (%): 0 Number and timing of application: Not specified
Category(ies) of users	Professional
Pack sizes and packaging material	Professional: 0.75 L – 1 L - 2.5 L - 4 L – 5 L – 6 L – 20 L – 25 L tin can (tin plate)

4.4.1 Use-specific instructions for use

4.4.1 Use-specific instructions for use

Mix well before use.

Curative treatment only. Apply by injection / borehole impregnation. Consequently, apply one coat by surface treatment with the recommended application rate. The combination is feasible e.g. if it is not possible to treat the surface of the wood from all sides (example: timber framing, base purlins or beam layers).

4.4.2 Use-specific risk mitigation measures

Wear protective chemical resistant gloves during product handling phase (glove material to be specified by the authorisation holder within the product information).

Wear a protective coverall (at least type type 6, EN 13034) which is impermeable for the biocidal product (coverall material to be specified by the authorisation holder within the product information).

4.4.3 Where specific to the use, the particulars of likely direct or indirect effects, first aid instructions and emergency measures to protect the environment

4.4.4 Where specific to the use, the instructions for safe disposal of the product and its packaging

4.4.5 Where specific to the use, the conditions of storage and shelf-life of the product under normal conditions of storage

5. General directions for use

5.1. Instructions for use

Comply with the instructions for use.
The wood to be treated must be dry and free from dust and grease. Do not apply to wood with a humidity rate of over 18%. Strip old, badly adhering coats completely as these could prevent the product from penetrating into the wood.
During product application and whilst surfaces are drying, do not contaminate the environment. All losses of the product have to be contained by covering the ground (e.g. by tarpaulin) and disposed of in a safe way.
Clean treated equipment with an appropriate solvent after application.
Do not rinse used equipment with water. Reuse or dispose of in a safe way.
After application, wash hands and face thoroughly with water and soap.
Drying time: approx. 1 day under normal conditions (20°C/65% rel. humidity), according to the type of wood, the quantity applied and the atmospheric conditions. High air humidity and/or low temperatures may increase drying times.
Product residues must not be released to soil, ground- and surface water or any kind of sewer.
Do not discharge the biocidal product nor its residues or painting sludge into the sewage system or the environment.
Over-painting: in normal conditions the product can be over-painted after about 3 days with any common finishing product, as required.
Do not apply e.g. for apiaries, greenhouses and saunas.
Can be harmful to protected species such as bats, hornets or birds. The presence of protected species in the area to be treated must be assessed prior to use of the product. Appropriate protective measures must be taken if necessary

5.2. Risk mitigation measures

Do not use on wood which may come in direct contact with food, feed and livestock.
Ensure adequate ventilation during and after the application, until treated surfaces have dried.
Keep children and pets (especially cats) away from treated surfaces until dried.
Keep cats away from treated surfaces. Due to their particular sensitivity to permethrin, the product can cause severe adverse reactions in cats.
No animals or bystanders should be present during the application.
Do not discharge the biocidal product nor the cleaning solution of the biocidal product into the sewage system or the environment.

5.3. Particulars of likely direct or indirect effects, first aid instructions and emergency measures to protect the environment

If medical advice is needed, have product container or label at hand.
IF INHALED: If symptoms occur call a POISON CENTRE or a doctor.
IF SWALLOWED: Do NOT induce vomiting. If symptoms: Immediately call 112/ambulance for medical assistance. If no symptoms: Call a POISON CENTRE or a doctor.
IF ON SKIN: Take off all contaminated clothing and wash it before reuse. Wash skin with water and soap. If skin irritation or rash occur: Get medical advice.
IF IN EYES: If symptoms occur rinse with water. Remove contact lenses, if present and easy to do. Call a POISON CENTRE or a doctor.
Pyrethroids (including permethrin) may cause paresthesia (burning and prickling of the skin without irritation). If symptoms persist: Get medical advice.
Do not allow product to reach sewage system or water courses.
In case of seepage into water or sewage system inform responsible authorities.
Collect the liquid with absorbent material (sand, diatomaceous earth, sawdust).

5.4. Instructions for safe disposal of the product and its packaging

Product residues, contaminated materials (including absorbent material) and empty containers must be collected and disposed of in accordance with the national waste disposal legislation and any regional and/or local authority requirements.
Do not discharge the biocidal product nor the diluted solution of the biocidal product into the sewage system or the environment (in particular surface water).

5.5. Conditions of storage and shelf-life of the product under normal conditions of storage

N-316: Keep out of reach of children and non-target animals/pets.
Shelf-life: 2 years
Store in a dry, well-ventilated area.
Store only in the original container protected from frost. Store below 30°C.
Protect from heat and direct sunlight.

Keep container tightly sealed.

6. Other information

According to Article 35 Regulation (EC) No 1272/2008 products which are supplied to the general public shall have a child-resistant fastening and shall bear a tactile warning of danger.