

Summary of product characteristics for a biocidal product

Product name: Koratect lb

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

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Authorisation number: AT-0019443-0000

R4BP 3 asset reference number: AT-0019443-0000

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Administrative information

1.1. Trade names of the product

Koratect lb
Koratect lb

1.2. Authorisation holder

Name and address of the authorisation holder	Name	Kurt Obermeier GmbH & Co. KG
	Address	Berghäuser Straße 70 57319 Bad Berleburg Germany
Authorisation number		AT-0019443-0000
R4BP 3 asset reference number		AT-0019443-0000
Date of the authorisation		04/10/2018
Expiry date of the authorisation		04/10/2028

1.3. Manufacturer(s) of the biocidal products

Name of the manufacturer	Kurt Obermeier GmbH & Co. KG
Address of the manufacturer	Berghäuser Str. 70 57319 Bad Berleburg Germany
Location of manufacturing sites	Berghäuser Str. 70 57319 Bad Berleburg Germany

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

Active substance	1283 - (RS)- α -cyano-3phenoxybenzyl-(1RS)-cis, trans-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate (Cypermethrin)
Name of the manufacturer	AGRIPHAR S.A.
Address of the manufacturer	Rue de Renory, 26/1 B-4102 Ougrée Belgium
Location of manufacturing sites	Rue de Renory, 26/1 B-4102 Ougrée Belgium

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 (%)
(RS)- α -cyano-3phenoxybenzyl-(1RS)-cis, trans-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate (Cypermethrin)		Active Substance	52315-07-8	257-842-9	0.15

2.2. Type of formulation

AL - Any other liquid

3. Hazard and precautionary statements

Hazard statements	<p>Very toxic to aquatic life.</p> <p>Very toxic to aquatic life with long lasting effects.</p>
Precautionary statements	<p>Avoid release to the environment.</p> <p>Collect spillage.</p> <p>Dispose of contents to appropriate disposal.</p>

4. Authorised use(s)

4.1 Use description

Use 1 - Brush treatment (VI.1.1)

Product type	PT08 - Wood preservatives (Preservatives)
Where relevant, an exact description of the authorised use	<p>The application codes from the document 'Application Codes for Encoding Wood Preservatives (PT08)' which was agreed upon at the 12th TM on Biocides for the implementation of Directive 98/8/EC (8-11 June 2004) were added in brackets.</p> <p>Overall use pattern: Koratect Ib is available as ready for use formulation (application code: VIII.2.2.2), based on the active substance Cypermethrin. It is intended to be used for preventive treatment of wood or to eradicate an existing infestation by wood destroying insects.</p> <p>The product is intended for preventive (VII.1) and for curative application (VII.2) during the service life. There is no geographical variation of application rates within the community. To be applied with or without coatings.</p>
Target organism(s) (including development stage)	Hylotrupes bajulus L.-House longhorn beetle-Larvae Anobium punctatum De Geer-Common furniture beetle-Larvae Lyctus brunneus-Powder post beetles-Larvae
Field(s) of use	Indoor Indoor, Use Class 1 (IV.1.1): Wood or wood-based product under cover, fully protected from the weather and not exposed to wetting (e.g. domestic roof timbers).
Application method(s)	Open system: brush treatment - Type of formulation: Ready to use, solvent based. Object and situation: Indoors, Use class I (IV.1.1): Wood or wood-based product under cover, fully protected from the weather and not exposed to wetting (e.g. domestic roof timbers). Method kind: Superficial application (brushing)
Application rate(s) and frequencies	300 g/m ² - 100 - Number of applications: 2-3 Waiting periods: max. 5 minutes Geographical variation: There is no geographical variation of application rates within the community.
Category(ies) of users	Trained professional Professional

Pack sizes and packaging material

Drum - Tin plate - 200 L
Canister - Tin plate - 5-20 L
IBC (intermediate bulk container) - Plastic: HDPE - 600 L

4.1.1 Use-specific instructions for use

n.a.

4.1.2 Use-specific risk mitigation measures

n.a.

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

n.a.

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

n.a.

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

n.a.

4.2 Use description

Use 2 - Spray treatment (VI.1.2)

Product type

PT08 - Wood preservatives (Preservatives)

Where relevant, an exact description of the authorised use

The application codes from the document 'Application Codes for Encoding Wood Preservatives (PT08)' which was agreed upon at the 12th TM on Biocides for the implementation of Directive 98/8/EC (8-11 June 2004) were added in brackets.

Overall use pattern: Koratect Ib is available as ready for use formulation (application code: VIII.2.2.2), based on the active substance Cypermethrin. It is intended to be used for preventive treatment of wood or to eradicate an existing infestation by wood destroying insects.

The product is intended for preventive (VII.1) and for curative application (VII.2) during the service life. There is no geographical variation of application rates within the community.
To be applied with or without coatings.

Target organism(s) (including development stage)

Hylotrupes bajulus L.-House longhorn beetle-Larvae
Anobium punctatum De Geer-Common furniture beetle-Larvae
Lyctus brunneus-Powder post beetles-Larvae

Field(s) of use

Indoor
Indoor, Use Class 1 (IV.1.1): Wood or wood-based product under cover, fully protected from the weather and not exposed to wetting (e.g. domestic roof timbers).

Application method(s)

Open system: spray treatment -
Type of formulation: Ready to use, solvent based.

Object and situation: Indoors, Use class I (IV.1.1): Wood or wood-based product under cover, fully protected from the weather and not exposed to wetting (e.g. domestic roof timbers).

Method kind: Superficial application (spraying)

Application rate(s) and frequencies

300 g/m² - 100 -
Number of applications: 2-3

Waiting periods: max. 5 minutes

Geographical variation: There is no geographical variation of application rates within the community.

Category(ies) of users

Trained professional
Professional

Pack sizes and packaging material

Drum - Tin plate - 200 L
Canister - Tin plate - 5-20 L
IBC (intermediate bulk container) - Plastic: HDPE - 600 L

4.2.1 Use-specific instructions for use

n.a.

4.2.2 Use-specific risk mitigation measures

n.a.

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

n.a.

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

n.a.

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

n.a.

4.3 Use description

Use 3 - Injection (VI.1.7)

Product type

PT08 - Wood preservatives (Preservatives)

Where relevant, an exact description of the authorised use

The application codes from the document 'Application Codes for Encoding Wood Preservatives (PT08)' which was agreed upon at the 12th TM on Biocides for the implementation of Directive 98/8/EC (8-11 June 2004) were added in brackets.

Overall use pattern: Koratect Ib is available as ready for use formulation (application code: VIII.2.2.2), based on the active substance Cypermethrin. It is intended to be used for preventive treatment of wood or to eradicate an existing infestation by wood destroying insects.

The product is intended for preventive (VII.1) and for curative application (VII.2) during the service life. There is no geographical variation of application rates within the community. To be applied with or without coatings.

Target organism(s) (including development stage)

Hylotrupes bajulus L.-House longhorn beetle-Larvae

Anobium punctatum De Geer-Common furniture beetle-Larvae

Lyctus brunneus-Powder post beetles-Larvae

Field(s) of use

Indoor
Indoor, Use Class 1 (IV.1.1): Wood or wood-based product under cover, fully protected from the weather and not exposed to wetting (e.g. domestic roof timbers).

Application method(s)

Open system: injection -
Type of formulation: Ready to use, solvent based.

Object and situation: Indoors, Use class I (IV.1.1): Wood or wood-based product under cover, fully protected from the weather and not exposed to wetting (e.g. domestic roof timbers).

Method kind: Injection (into predrilled holes)

Application rate(s) and frequencies

ca 10 kg/m³ - 100 -
Number of applications: 2-3

Waiting periods: max. 30 minutes

Geographical variation: There is no geographical variation of application rates within the community.

Category(ies) of users

Trained professional
Professional

Pack sizes and packaging material

Drum - Tin plate - 200 L
Canister - Tin plate - 5-20 L
IBC (intermediate bulk container) - Plastic: HDPE - 600 L

4.3.1 Use-specific instructions for use

n.a.

4.3.2 Use-specific risk mitigation measures

n.a.

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

n.a.

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

n.a.

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

n.a.

5. General directions for use

5.1. Instructions for use

Ready-to-use product.

Always follow the use instructions.
Shake or stir well before use.

Do not use below +5 °C or above +30 °C (temperature of ground, product or surroundings).
After use, rinse brushes with brush cleaner solution, petroleum spirit or artificial resin solution.
Misuse can lead to damage for health and environment.

Keep away from food, drink or feedingstuff.

Do not eat, drink or smoke.

Keep away from children.

Avoid contact with skin, eyes and clothes.

Remove contaminated, saturated clothing.

Wash hands before breaks and after work.

Keep away from food, drink and animal feeding stuffs.

Do not work in the presence of open flames.

During work, ensure adequate ventilation.

Should medicinal advice be required, show the packaging or this label.

Not for the treatment of wood which may come into direct contact with food or feedingstuff.

5.2. Risk mitigation measures

Personal protection equipment

Eye/face protection: Eye glasses with side protection

Skin protection: Hand protection: The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. Suitable material: Butyl caoutchouc (butyl rubber) NBR (Nitrile rubber). Breakthrough time (maximum wearing time) : 480 minutes. Check leak tightness/impermeability prior to use. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Respiratory protection: Usually no personal respirative protection necessary.

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

Reactivity: No dangerous reactions known.
Chemical stability: When using the recommended storage and handling conditions.
Possibility of hazardous reactions: No dangerous reactions known.

Toxicological information

Acute oral toxicity

Diphenyl tolyl phosphate:

LD50 (oral, rat): > 5000 mg/kg LD50 (dermal, rat): > 5000 mg/kg

Cypermethrin cis/trans +/- 40/60:

LD50 (oral, rat): 287 mg/kg

LD50 (dermal, rat): > 2000 mg/kg

LC50 (inhalation, rat, exposure time: 4 h): 3.28 mg/l

Subacute oral toxicity

Diphenyl tolyl phosphate:

NOAEL(C) (oral, rat, 28 d): 62,5 mg/kg

Ecotoxicological information

Aquatic toxicity

Acute (short-term) fish toxicity

Cypermethrin cis/trans +/- 40/60:

LC50 (acute (short-term) fish toxicity): 0,0028 mg/l

Acute (short-term) daphnia toxicity

Diphenyl tolyl phosphate:

EC50 (Daphnia magna, 24 h): 3.7 mg/l

Cypermethrin cis/trans +/- 40/60:

EC50 (Daphnia magna, 48 h): 0.0003 mg/l

Diphenyl tolyl phosphate:

IC50 (Desmodesmus subspicatus, Inhibition of growth rate, 72 h): 0.55 mg/l

IC50 (Desmodesmus subspicatus, Inhibition of biomass development, 72 h): 0.27 mg/l

Cypermethrin cis/trans +/- 40/60:

IC50 (Algae): > 0.1 mg/l

Diphenyl tolyl phosphate:

NOEC (Desmodesmus subspicatus, Chronic (long-term) algae toxicity, 72 h): 0.11 mg/l

Bacteria toxicity

Diphenyl tolyl phosphate:

EC50 (Bacteria toxicity, 3 h): > 10000 mg/l

Terrestrial Toxicity

Cypermethrin cis/trans +/- 40/60:

LD50 (Apis mellifera, 24 h): 0.02 µg

Bioaccumulative potential: No indication of bioaccumulation potential

Results of PBT and vPvB assessment: This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

Additional information: Discharge into the environment must be avoided.

First aid instructions

General information: Change contaminated, saturated clothing. When in doubt or if symptoms are observed, get medical advice.

Following inhalation: Provide fresh air.

In case of skin contact: After contact with skin, wash immediately with plenty of water and soap.

After eye contact: Rinse immediately carefully and thoroughly with eye-bath or water. In case of eye irritation consult an ophthalmologist.

After ingestion: Do NOT induce vomiting. Rinse mouth thoroughly with water.

Self-protection of the first aider: No special measures are necessary.

Information to physician:

Treatment: Treat symptomatically.

Most important symptoms and effects, both acute and delayed: No information available.

Indication of any immediate medical attention and special treatment needed: None.

Personal precautions, protective equipment and emergency procedures: Take the precautions customary when handling chemicals. Use personal protection equipment.

Environmental precautions: Do not allow to enter into surface water or drains. Prevent spread over a wide area (e.g. by containment or oil barriers). Do not allow to enter into soil/subsoil.

Methods and material for containment and cleaning up:

For cleaning up: Take up mechanically. Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal

bindingagents).

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

The allocation of waste identity numbers/waste descriptions must be carried out according to the EWC, specific to the industry and process.

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

Requirements for storage rooms and vessels: Keep/Store only in original container.Hints on joint storage: Storage class (TRGS 510):
10Further information on storage conditions: Protect containers against damage.Shelf-life: 24 months

6. Other information