Summary of product characteristics for a biocidal product

Product name: Koranol Holzbau Grund

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

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Authorisation number:

R4BP 3 asset reference number: NL-0017512-0000

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Administrative information

1.1. Trade names of the product

Koranol Holzbau Grund
Danske Imprägniergrund
Koranol Holzbau Grund
Embasol PPI
Koranol Holzbau Grund
Koranol Holzbau Grund
Embasol PPI

1.2. Authorisation holder

Name and address of the authorisation holder	Name	Kurt Obermeier GmbH
	Address	Berghäuser Straße 70 57319 Bad Berleburg Germany
Authorisation number		
R4BP 3 asset reference number	NL-0017512-0000	
Date of the authorisation	06/11/2020	
Expiry date of the authorisation	06/11/2030	

1.3. Manufacturer(s) of the biocidal products

Name of the manufacturer	Kurt Obermeier GmbH
Address of the manufacturer	Berghäuser Straße 70 D-57319 Bad Berleburg Germany
Location of manufacturing sites	Berghäuser Straße 70 D-57319 Bad Berleburg Germany

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

Active substance	39 - 3-iodo-2-propynylbutylcarbamate (IPBC)
Name of the manufacturer	Troy Chemical Company BV
Address of the manufacturer	Uiverlaan 12E 3145 XN Maassluis Netherlands
Location of manufacturing sites	One Avenue L 07 105 Newark, New Jersey United States
	Industriepark 23 56593 Horhausen Germany

Active substance	1342 - Permethrin
Name of the manufacturer	LANXESS Deutschland GmbH Material Protection Products
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

Active substance	48 - 1-[[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]methyl]-1H-1,2,4-triazole (Propiconazole)
Name of the manufacturer	LANXESS Deutschland GmbH Material Protection Products
Address of the manufacturer	Kennedyplatz 1 D 50569 Köln Germany
Location of manufacturing sites	Syngenta Crop protection CH-1870 Monthey Switzerland

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 (%)
3-iodo-2-propynylbutylcarbamate (IPBC)		Active Substance	55406-53-6	259-627-5	1,4
Permethrin		Active Substance	52645-53-1	258-067-9	0,2
1-[[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]methyl]-1H-1,2,4-triazole		Active Substance	60207-90-1	262-104-4	0,45
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics	Non-active substance		918-481-9	82,385

2.2. Type of formulation

AL - Any other liquid

3. Hazard and precautionary statements

Hazard statements	May be fatal if swallowed and enters airways. May cause an allergic skin reaction. Causes serious eye irritation. May cause damage to organs larynx through prolonged or repeated exposure by inhalation. Very toxic to aquatic life with long lasting effects. Repeated exposure may cause skin dryness or cracking. May damage the unborn child.
Precautionary statements	Avoid breathing mist. Avoid breathing dust. Avoid breathing fume. Avoid breathing gas. Avoid breathing vapours. Avoid breathing spray. Wash with water thoroughly after handling.

Contaminated work clothing should not be allowed out of the workplace.

Avoid release to the environment.

Wear protective clothing.

Wear protective gloves.

Wear eye protection.

Wear face protection.

IF SWALLOWED:Immediately call a doctor.

IF SWALLOWED:Immediately call a POISON CENTER.

IF IN EYES:Rinse cautiously with water for several minutes.Remove contact lenses, if present and easy to do. Continue rinsing.

IF exposed or concerned:Get medical advice.

Do NOT induce vomiting.

Take off contaminated clothing.And wash it before reuse.

Store locked up.

Dispose of contents to appropriate disposal.

Dispose of container to appropriate disposal.

Take off contaminated clothing.And wash it before reuse.

4. Authorised use(s)

4.1 Use description

Use 1 - Wood discolouring fungi, wood rotting fungi, wood destroying beetles, termites - Industrial users - fully automated dipping - indoor

Product type	PT08 - Wood preservatives (Preservatives)
Where relevant, an exact description of the authorised use	Fungicide, insecticide
Target organism(s) (including development stage)	Scientific name: Basidiomycetes: Common name: Wood rotting fungi Development stage: Hyphae Scientific name: Hylotrupes bajulus L. Common name: House longhorn beetle Development stage: Larvae Scientific name: Reticulitermes sp. Common name: Termites (genus Reticulitermes) Development stage: Scientific name: Ascomycetes Common name: Wood discolouring fungi Development stage: Hyphae

Field(s) of use	Indoor Indoor Indoor application in industrial sites Preventive wood preservation in use class 1, 2 and 3.
Application method(s)	Method: Automated dipping Detailed description: Automated dipping
Application rate(s) and frequencies	Application Rate: Preventive: 100 mL/m² With protection against termites: 250 mL/m² Dilution (%): 100 Number and timing of application: Preventive treatment without protection against termites: 100 ml/m², in 1 application. Preventive treatment with protection against termites: 250 ml/m², in 2 subsequent applications
Category(ies) of users	Industrial
Pack sizes and packaging material	Drum, Tinplate metal , 200 [L] IBC (intermediate bulk container), Plastic: HDPE , 600 / 1000 [L]

4.1.1 Use-specific instructions for use

The solvent-based RTU product Koranol Holzbau Grund is used undiluted for automated dipping by industrials. The transfer of the impregnation solutions to the dipping tank or bathing tray for automated dipping is done automated by connecting lines. For automated dipping, an operator using a fork-lift truck lowers the wood into the dipping tank or transfers the wood to a bathing tray. Automated dipping is a fully automated process. After the treatment, the wood is lifted out by the fork-lift truck. The wood is then transferred by the fork-lift truck to a storage area where it is placed to dry.
The product is for use on timbers not in ground contact, either continually exposed to the weather or protected from the weather but subject to frequent weathering, or not exposed to weather and wetting at all (Use Classes 1, 2 and 3). Treated timber must not be used in external situations where it is in contact with the ground and permanently exposed to wetting, or in permanent contact with fresh or salt water. A top-coat must be applied to treated wood in situations where it would be exposed to weather.
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 nad/or on impermeable hard standing to prevent direct losses to soil or water and any losses must be collected for reuse or disposal.

4.1.2 Use-specific risk mitigation measures

Use protective gloves, protective clothing (material to be specified by the authorisation holder within the product information), and eye/face protection during the handling of the product or the treated timber and maintenance of the dipping tank or bathing tray.

Application solutions must be collected and reused or disposed of as hazardous waste. They must not be released to soil, ground- and surface water or any kind of sewer.

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

See general directions for use.

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

See general directions for use.

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

See general directions for use.

4.2 Use description

Use 2 - Wood discolouring fungi, wood rotting fungi, wood destroying beetles, termites - Industrial and professional users - Manual dipping - indoor

Product type	PT08 - Wood preservatives (Preservatives)
Where relevant, an exact description of the authorised use	Fungicide, insecticide
Target organism(s) (including development stage)	Scientific name: Basidiomycetes: Common name: Wood rotting fungi Development stage: Hyphae Scientific name: Hylotrupes bajulus L. Common name: House longhorn beetle Development stage: Larvae Scientific name: Reticulitermes sp. Common name: Termites (genus Reticulitermes) Development stage: Scientific name: Ascomycetes Common name: Wood discolouring fungi Development stage: Hyphae
Field(s) of use	Indoor Indoor Indoor application in industrial sites Preventive wood preservation in use class 1, 2 and 3.
Application method(s)	Method: Manual dipping Detailed description: Manual dipping
Application rate(s) and frequencies	Application Rate: Preventive: 100 mL/m² With protection against termites: 250 mL/m² Dilution (%): 100 Number and timing of application: <u>Preventive treatment without protection against termites:</u> 100 ml/m², in 1 application.

	Preventive treatment with protection against termites: 250 ml/m², in 2 applications.
Category(ies) of users	Industrial Professional
Pack sizes and packaging material	Drum, Tinplate metal, 200 [L] IBC (intermediate bulk container), Plastic: HDPE , 600 / 1000 [L] Can, Bucket, Tinplate metal , 0.375 / 0.75 / 1 / 2.5 / 5 / 10 / 20 [L] Jerry can, Tinplate metal , 2.5 / 5 / 10 / 20 [L]

4.2.1 Use-specific instructions for use

The solvent-based RTU product Koranol Holzbau Grund is used undiluted for manual dipping by industrials and professionals. The transfer of the impregnation solutions to the dipping tank for manual dipping is done automated by connecting lines. During manual dipping, the operator lifts and places – by hand – the wooden article into the dipping tank. The operator then pushes, using a post, the wooden article under the wood preservative in the dipping tank and/or uses a broom to brush the wood preservative onto the wooden article (the article is still in the dipping tank as the preservative is brushed on the wood). The operator then lifts manually the wooden article from the dipping tank and stacks the article to dry.
The product is for use on timbers not in ground contact, either continually exposed to the weather or protected from the weather but subject to frequent weathering or not exposed to weather and wetting at all (Use Classes 1, 2 and 3). Treated timber must not be used in external situations where it is in contact with the ground and permanently exposed to wetting, or in permanent contact with fresh or salt water. A top-coat must be applied to treated wood in situations where it would be exposed to weather.
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 nad/or on impermeable hard standing to prevent direct losses to soil or water and any losses must be collected for reuse or disposal.

4.2.2 Use-specific risk mitigation measures

Use protective gloves, protective clothing (material to be specified by the authorisation holder within the product information) and eye/face protection during the manual dipping process.
Application solutions must be collected and reused or disposed of as hazardous waste. They must not be released to soil, ground- and surface water or any kind of sewer.

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

See general directions for use.

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

See general directions for use.

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

See general directions for use.

4.3 Use description

Use 3 - Wood discolouring fungi, wood rotting fungi, wood destroying beetles, termites - Industrial users - Flow coating (deluging) - indoor

Product type	PT08 - Wood preservatives (Preservatives)
Where relevant, an exact description of the authorised use	Fungicide, insecticide
Target organism(s) (including development stage)	Scientific name: Basidiomycetes: Common name: Wood rotting fungi Development stage: Hyphae Scientific name: Hylotrupes bajulus L. Common name: House longhorn beetle Development stage: Larvae Scientific name: Reticulitermes sp. Common name: Termites (genus Reticuklitermes) Development stage: Scientific name: Ascomycetes Common name: Wood discolouring fungi Development stage: Hyphae
Field(s) of use	Indoor Indoor Indoor application in industrial sites Preventive wood preservation in use class 1, 2 and 3.
Application method(s)	Method: Flow coating (deluging) Detailed description: Flow coating
Application rate(s) and frequencies	Application Rate: Preventive: 100 mL/m² With protection against termites: 250 mL/m² Dilution (%): 100 Number and timing of application: <u>Preventive treatment without protection against termites:</u> 100 ml/m², in 1 application. <u>Preventive treatment with protection against termites:</u> 250 ml/m², in 1 applications.

Category(ies) of users	Industrial
Pack sizes and packaging material	Drum, Tinplate metal, 200 [L] IBC (intermediate bulk container), Plastic: HDPE , 600 / 1000 [L]

4.3.1 Use-specific instructions for use

The solvent-based RTU product Koranol Holzbau Grund is used undiluted for flow coating (deluging) by industrials. The transfer of the impregnation solutions to the receiving vessel for flow coating (deluging) is done automated by connecting lines. During flow coating, timber is passed through an enclosed tunnel in which the preservative is applied. The device is open at both sides, i.e. front and back side. Timber enters through the front side and the treated timber comes out dripping wet through the back side. After the flooding process treated timber is automatically transferred through a drying channel, where the wooden articles are dried with a warm air stream, before handled manually and before the top-coat warm air stream is applied.
The product is for use on timbers not in ground contact, either continually exposed to the weather or protected from the weather but subject to frequent weathering or not exposed to weather and wetting at all (Use Classes 1, 2 and 3). Treated timber must not be used in external situations where it is in contact with the ground and permanently exposed to wetting, or in permanent contact with fresh or salt water. A top-coat must be applied to treated wood in situations where it would be exposed to weather.
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 nad/or on impermeable hard standing to prevent direct losses to soil or water and any losses must be collected for reuse or disposal.

4.3.2 Use-specific risk mitigation measures

Use protective gloves, protective clothing (coverall, material to be specified by the authorisation holder within the product information), and eye/face protection during the handling of the product or the treated timber and maintenance of machinery.

Application solutions must be collected and reused or disposed of as hazardous waste. They must not be released to soil, ground- and surface water or any kind of sewer.

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

See general directions for use.

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

See general directions for use.

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

See general directions for use.

4.4 Use description

Use 4 - Wood discolouring fungi, wood rotting fungi, wood destroying beetles, termites - Professional users - Brushing/roller - indoor

Product type	PT08 - Wood preservatives (Preservatives)
Where relevant, an exact description of the authorised use	Fungicide, insecticide
Target organism(s) (including development stage)	Scientific name: Basidiomycetes: Common name: Wood rotting fungi Development stage: Hyphae Scientific name: Hylotrupes bajulus L. Common name: House longhorn beetle Development stage: Larvae Scientific name: Reticulitermes sp. Common name: Termites (genus Reticulitermes) Development stage: Scientific name: Ascomycetes Common name: Wood discolouring fungi Development stage: Hyphae
Field(s) of use	Indoor Indoor Indoor application in industrial sites Preventive wood preservation in use class 1, 2 and 3.
Application method(s)	Method: Brushing/rolling Detailed description: Brushing/rolling
Application rate(s) and frequencies	Application Rate: Preventive: 100 mL/m² With protection against termites: 250 mL/m² Dilution (%): 100 Number and timing of application: <u>Preventive treatment without protection against termites:</u> 100 ml/m², in 1 application. <u>Preventive treatment with protection against termites:</u> 250 ml/m², in 1-2 subsequent applications.
Category(ies) of users	Professional
Pack sizes and packaging material	Drum, Tinplate metal: 200 L IBC (intermediate bulk container), Plastic (HDPE): 600 / 1000 L Can, Bucket, Tinplate metal: 0.375 / 0.75 / 1 / 2.5 / 5 / 10 / 20 L Jerry Can, Tinplate metal: 2.5 / 5 / 10 / 20 L

4.4.1 Use-specific instructions for use

Use the solvent-based RTU product undiluted and apply to wood directly out of the original container by using a brush. After the application, clean the equipment with synthetic resin thinners or brush cleaner.

The product is for use on timbers not in ground contact, either continually exposed to the weather or protected from the weather but subject to frequent weathering or not exposed to weather and wetting at all (Use Classes 1, 2 and 3). Treated timber must not be used in external situations where it is in contact with the ground and permanently exposed to wetting, or in permanent contact with fresh or salt water. A non-biocidal top-coat must be applied as part of a treatment system prior to use of the treated timber in situations where it would be exposed to weathering.

4.4.2 Use-specific risk mitigation measures

Use protective gloves a protective clothing (material to be specified by the authorisation holder within the product information) and eye protection and face protection during brushing/rolling.

Application solutions must be collected and reused or disposed of as hazardous waste. They must not be released to soil, ground- and surface water or any kind of sewer.

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

See general directions for use.

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

See general directions for use.

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

See general directions for use.

4.5 Use description

Use 5 - Wood destroying beetles - Professional users - Borehole filling without pressure – indoor, outdoor

Product type	PT08 - Wood preservatives (Preservatives)
Where relevant, an exact description of the authorised use	Insecticide
Target organism(s) (including development stage)	Scientific name: Hylotrupes bajulus L. Common name: House longhorn beetle Development stage: Larvae Scientific name: Lyctus brunneus Common name: Powder post beetles Development stage: Larvae
Field(s) of use	Indoor Outdoor Indoor; outdoor Curative wood preservation within the scope of an extensive curative treatment (e.g. timbered house, wooden roof frames, log house constructions) with simultaneous preventive efficacy (see preventive treatment use instructions for corresponding application method).
Application method(s)	Method: Borehole filling without pressure Detailed description: Borehole filling without pressure
Application rate(s) and frequencies	Application Rate: approx. 10 kg/m³ Dilution (%): 100 Number and timing of application: <u>Application rate:</u> approx. 10 kg/m³ The application rate is to be applied in 3 subsequent applications by filling each borehole three times with approx. 20 ml product (7 ml per borehole and filling). Waiting periods of 30 min after each filling. Distance of boreholes: 20 cm horizontal 10 cm vertical Curative treatment by borehole filling without pressure should always be combined with a curative superficial treatment (brushing/rolling) at an application rate of 350 ml/m² to ensure efficacy. This application rate is to be applied in 3 subsequent applications (à 100-125 ml/m² each) with waiting periods of 5 min each.
Category(ies) of users	Professional
Pack sizes and packaging material	Drum, Tinplate metal: 200 L IBC (intermediate bulk container), Plastic (HDPE): 600 / 1000 L Can, Bucket, Tinplate metal: 0.375 / 0.75 / 1 / 2.5 / 5 / 10 / 20 L Jerry Can, Tinplate metal: 2.5 / 5 / 10 / 20 L

4.5.1 Use-specific instructions for use

Use the undiluted solvent-based RTU product for borehole filling without pressure. Boreholes with a diameter between 10 and 15 mm and a depth of 80 mm are made by drilling. With the suction system, the product has to be sucked directly out of the original container. The application rate is determined in consideration of the pressure and the duration of the valve opening. Following treatment, each borehole is sealed with a wooden dowel. After the application, the sprayer and the equipment are cleaned with synthetic resin thinners or brush cleaner.
The wood to be treated must be prepared as described below:
Remove opaque painting systems, coatings or thick layer glazes, dust and dirt completely. Remove destroyed wood. Bare beetle borings in the remaining wood with a wire brush and remove the drilling dust. Permanently reinforce or replace statically weakened timber structures with previously impregnated wooden components.
Cover bituminous materials, plastics, plaster, concrete and stoneware. Do not moisten plants.
Borehole treatment should only be performed on freely accessible wooden components. Do not drill through any parts that are covered (e.g. floorboards), as the wood preservative may spread unchecked into fills. In case of subdivision area treatment, remove any fills and insulating materials and re-install only after surface drying.
Within the scope of curative treatment, all remaining and newly installed wooden components must be chemically protected against further infestation by preventive treatment (e.g. by brushing/rolling).
Do not use in residential and sleeping areas despite of active and visible infestation. Ensure adequate ventilation during application and drying time of the wood preservative. Re-use of rooms after 48 hours. After borehole treatment, the drying time can be delayed to at least 1 week.

The product is for use on timbers not in ground contact, either continually exposed to the weather or protected from the weather but subject to frequent weathering or not exposed to weather and wetting at all. Treated timber must not be used in external situations where it is in contact with the ground and permanently exposed to wetting, or in permanent contact with fresh or salt water.

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.

4.5.2 Use-specific risk mitigation measures

Use protective gloves and protective clothing (coverall, material to be specified by the authorisation holder within the product information) and eye/face protection during the treatment process.
During product application to timbers 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.
Do not apply near bodies of surface water or in the area of water protection zones.

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

See general directions for use.

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

See general directions for use.

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

See general directions for use.

4.6 Use description

Use 6 - Wood destroying beetles - Professional users - Borehole pressure injection – indoor, outdoor

Product type	PT08 - Wood preservatives (Preservatives)
Where relevant, an exact description of the authorised use	Insecticide
Target organism(s) (including development stage)	Scientific name: Hylotrupes bajulus L. Common name: House longhorn beetle Development stage: Larvae Scientific name: Lyctus brunneus Common name: Powder post beetles Development stage: Larvae
Field(s) of use	Indoor Outdoor Indoor; outdoor Curative wood preservation within the scope of an extensive curative treatment (e.g. timbered house, wooden roof frames, log house constructions) with simultaneous preventive efficacy (see preventive treatment use instructions for corresponding application method).
Application method(s)	Method: Borehole pressure injection Detailed description: Borehole pressure injection
Application rate(s) and frequencies	Application Rate: approx. 10 kg/m³ Dilution (%): 100 Number and timing of application: <u>Application rate:</u> approx. 10 kg/m³ The application rate is to be applied in 1 application by injection of approx. 20 ml product into each borehole by using an wood injector. Distance of boreholes: 20 cm horizontal 10 cm vertical Curative treatment by borehole pressure injection should always be combined with a curative superficial treatment (brushing/rolling) at an application rate of 350 ml/m² to ensure efficacy. This application rate is to be applied in 3 subsequent applications (à 100-125 ml/m² each) with waiting periods of 5 min each.

Category(ies) of users	Professional
Pack sizes and packaging material	Drum, Tinplate metal: 200 L IBC (intermediate bulk container), Plastic (HDPE): 600 / 1000 L Can, Bucket, Tinplate metal: 0.375 / 0.75 / 1 / 2.5 / 5 / 10 / 20 L Jerry Can, Tinplate metal: 2.5 / 5 / 10 / 20 L

4.6.1 Use-specific instructions for use

Use the undiluted solvent-based RTU product for borehole pressure injection. Boreholes with a diameter between 8 and 12 mm and a depth of 80 mm are made by drilling. A drive-in packer (wood injector) with check valve and a connection for the injection head has to be inserted into each borehole. The product is a ready-to-use formulation and has to be applied undiluted by injection to the drills using a wood injector with a low-pressure airless sprayer (4-5 bar), including a suction system, pressure control valve and a spray nozzle with mouth piece. With the suction system, the product has to be sucked directly out of the original container. The application rate is determined in consideration of the pressure and the duration of the valve opening. After the application, the sprayer and the spray equipment are cleaned with synthetic resin thinners or brush cleaner.
The wood to be treated must be prepared as described below:
Remove opaque painting systems, coatings or thick layer glazes, dust and dirt completely. Remove destroyed wood. Bare beetle borings in the remaining wood with a wire brush and remove the drilling dust. Permanently reinforce or replace statically weakened timber structures with previously impregnated wooden components.
Cover bituminous materials, plastics, plaster, concrete and stoneware. Do not moisten plants.
Borehole treatment should only performed on freely accessible wooden components. Do not drill through any parts that are covered (e.g. floorboards), as the wood preservative may spread unchecked into fills. In case of subdivision area treatment, remove any fills and insulating materials and re-install only after surface drying.
Within the scope of curative treatment, all remaining and newly installed wooden components must be chemically protected against further infestation by preventive treatment (e.g. by brushing/rolling).
Do not use in residential and sleeping areas despite of active and visible infestation. Ensure adequate ventilation during application and drying time of the wood preservative. Re-use of rooms after 48 hours. After borehole treatment, the drying time can be delayed to at least 1 week.

The product is for use on timbers not in ground contact, either continually exposed to the weather or protected from the weather but subject to frequent weathering or not exposed to weather and wetting at all (Use Classes 1, 2 and 3). Treated timber must not be used in external situations where it is in contact with the ground and permanently exposed to wetting, or in permanent contact with fresh or salt water.

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.

4.6.2 Use-specific risk mitigation measures

Use protective gloves, protective clothing (material to be specified by the authorisation holder within the product inormation) and eye/face protection during the treatment process.
During product application to timbers 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.
Do not apply near bodies of surface water or in the area of water protection zones.

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

See general directions for use.

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

See general directions for use.

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

See general directions for use.

4.7 Use description

Use 7 - Wood destroying beetles - Professional users - Brushing/roller – indoor, outdoor

Product type	PT08 - Wood preservatives (Preservatives)
Where relevant, an exact description of the authorised use	Insecticide
Target organism(s) (including development stage)	Scientific name: Hylotrupes bajulus L. Common name: House longhorn beetle Development stage: Larvae Scientific name: Lyctus brunneus Common name: Powder post beetles Development stage: Larvae
Field(s) of use	Indoor Outdoor Indoor; outdoor Curative wood preservation within the scope of an extensive curative treatment (e.g. timbered house, wooden roof frames, log house constructions) with simultaneous preventive efficacy (see preventive treatment use instructions for corresponding application method).
Application method(s)	Method: Brushing/rolling Detailed description: Brushing/rolling
Application rate(s) and frequencies	Application Rate: Curative: 350 mL/m², in 3 subsequent applications. Dilution (%): 100 Number and timing of application:

	Curative: 350 ml/m² in 3 subsequent applications
Category(ies) of users	Professional
Pack sizes and packaging material	Drum, Tinplate metal: 200 L IBC (intermediate bulk container), Plastic (HDPE): 600 / 1000 L Can, Bucket, Tinplate metal: 0.375 / 0.75 / 1 / 2.5 / 5 / 10 / 20 L Jerry Can, Tinplate metal: 2.5 / 5 / 10 / 20 L

4.7.1 Use-specific instructions for use

Use the solvent-based RTU product undiluted and apply to wood directly out of the original container by using a brush. The application rate has to be determined in consideration of the surface to be treated. After the application, clean the equipment with synthetic resin thinners or brush cleaner.
The wood to be treated must be prepared as described below:
Remove opaque painting systems, coatings or thick layer glazes, dust and dirt completely. Remove destroyed wood. Bare beetle borings in the remaining wood with a wire brush and remove the drilling dust. Permanently reinforce or replace statically weakened timber structures with previously impregnated wooden components.
Cover bituminous materials, plastics, plaster, concrete and stoneware. Do not moisten plants.
Within the scope of curative treatment, all remaining and newly installed wooden components must be chemically protected against further infestation by preventive treatment (e.g. by brushing/rolling).
Do not use in residential and sleeping areas despite of active and visible infestation. Ensure adequate ventilation during application and drying time of the wood preservative. Re-use of rooms after 48 hours.
The product is for use on timbers not in ground contact, either continually exposed to the weather or protected from the weather but subject to frequent weathering or not exposed to weather and wetting at all. Treated timber must not be used in external situations where it is in contact with the ground and permanently exposed to wetting, or in permanent contact with fresh or salt water. A non-biocidal top-coat must be applied as part of a treatment system prior to use of the treated timber in situations where it would be exposed to weathering.
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.

4.7.2 Use-specific risk mitigation measures

Use protective gloves, protective clothing (material to be specified by the authorisation holder within the product information), and eye/face protection during brushing/rolling.
During product application to timbers 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.
Do not apply near bodies of surface water or in the area of water protection zones.

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

See general directions for use.

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

See general directions for use.

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

See general directions for use.

5. General directions for use

5.1. Instructions for use

The product is for use on timbers not in ground contact, either continually exposed to the weather or protected from the weather but subject to frequent weathering or not exposed to weather and wetting at all (Use Classes 1, 2 and 3 for protective treatment).
Treated timber must not be used in external situations where it is in contact with the ground and permanently exposed to wetting, or in permanent contact with fresh or salt water. A top-coat must be applied to treated wood in situations where it would be exposed to weather.

5.2. Risk mitigation measures

Wash hands and exposed skin before meal and after use.
Do not contaminate foodstuffs, eating utensils or food contact surfaces.
Do not contaminate ground, water bodies or watercourses with chemicals or used container.
Do not contaminate plant life and cover fish ponds before application. Do not empty into drains.
Ensure adequate ventilation during and after the application, until treated surfaces have dried.

Do not use on wood which may come in direct contact with food, feeding stuff and livestock animals.

Keep children and pets away from treated structures until dried.
Avoid prolonged contact of pets, specifically cats, with treated structures.

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

Description of first aid measures

General information: Take off contaminated clothing. When in doubt or if symptoms are observed, get medical advice. Never give anything by mouth to an unconscious person or a person with cramps.
If inhaled: Remove person to fresh air and keep comfortable for breathing.
If on skin: After contact with skin, wash immediately with plenty of water and soap. In case of skin reactions, consult a physician.
If in eyes: Rinse cautiously with water for several minutes. In case of eye irritation consult an ophthalmologist.
If swallowed: Rinse mouth. Do NOT induce vomiting.
Self-protection of the first aider: First aider: Pay attention to self-protection!
Information to physician: Treatment: Treat symptomatically.

Most important symptoms and effects, both acute and delayed
Pyrethroids may cause paresthesia (burning and prickling of the skin without irritation), If symptoms persist: get medical advice.

May cause an allergic skin reaction. May be fatal if swallowed and enters airways. Causes serious eye irritation. Repeated exposure may cause skin dryness or cracking. May cause damage to larynx through prolonged or repeated exposure.
Indication of any immediate medical attention and special treatment needed: None
Protective measures: Use only in well-ventilated areas. Do not breathe gas/fumes/vapour/spray.

Accidental release measures
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).
Methods and material for containment and cleaning up: Take up mechanically. Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Collect in closed and suitable containers for disposal.

Stability and reactivity :
Reactivity: No dangerous reactions known.
Chemical stability: The product is chemically stable under recommended conditions of storage, use and temperature.
Possibility of hazardous reactions: No dangerous reactions known.
Conditions to avoid: Keep away from sources of ignition. - No smoking. Take precautionary measures against static discharges.
Incompatible materials: Oxidising agent, strong.

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

Waste disposal according to Directive 2008/98/EC, covering waste and dangerous waste. Consult the appropriate local waste disposal expert about waste disposal.The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process. Handle contaminated packages in the same way as the substance itself.

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

24 months shelf-life

Keep/store only in the original container protected from frost. Keep/store below 30°C. Keep away from direct sunlight.

6. Other information

Application codes
Categories

Matrix wording

Code for product

User category
Industrial
Professional

A.20
A.30
Wood category
Softwood
Hardwood

B.10
B.20

Wood product
Solid wood / Reconstituted solid wood / Panels Plywood panels / OSB panels / Particles panels Fibers panels
C.10 / C.11 / C.20/ C.21 / C.22 / C.23 /C.24
Application aim and field of use
Preventive treatment / blue stain in service
Preventive treatment - use classes 1, 2, 3 (3.1 & 3.2)
D.30
D.40 - E.10, E.20, E.30 (E.31 & E.32)
Curative treatment / wood in service
D.50
Method of application and rate
Superficial application/ brush/roller/pad treatment
Superficial application/flow coat/aspersion
Superficial application / dipping treatment
Injection
F.10
F.12
F.14
F.20
Target organisms
Preventive treatment
Brown rot fungi
White rot fungi
Bluestain fungi
House longhorn beetle (*Hylotrupes bajulus*)
Termites (genus *Reticulitermes*)
Curative treatment
House longhorn beetle (*Hylotrupes bajulus*)
Powder post beetles (*Lyctus brunneus*)
G.10
G.11
G.21.2
G.31
G.50
G.31
G.33