Summary of product characteristics for a biocidal product

Product name: TEKNOL AQUA 1411-01

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

Authorisation number:

R4BP 3 asset reference number: NL-0026557-0000

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Administrative information

1.1. Trade names of the product

TEKNOL AQUA 1411-01

1.2. Authorisation holder

Name and address of the authorisation holder	Name	Teknos A/S
	Address	Industrivej 19 6580 Vamdrup Denmark
Authorisation number		
R4BP 3 asset reference number	NL-0026557-0000	
Date of the authorisation	02/07/2021	
Expiry date of the authorisation	09/02/2026	

1.3. Manufacturer(s) of the biocidal products

Name of the manufacturer	Teknos A/S
Address of the manufacturer	Industrivej 19 6580 Vamdrup Denmark
Location of manufacturing sites	Industrivej 19 6580 Vamdrup Denmark

Name of the manufacturer	Teknos Oy
Address of the manufacturer	Takkatie 3 FI-00370 Helsinki Finland
Location of manufacturing sites	Perämatkuntie 12, PL 14 FI-05201 RAJAMÄKI Finland

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

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	Janssen PMP, division of Janssen Pharmaceutica NV
Address of the manufacturer	Turnhoutseweg 30 2340 Beerse Belgium
Location of manufacturing sites	Jiangsu Sevencontinent Green Chemical Co. Ltd.; North Area of Dongsha Chem-Zone 215600 Zhangjiagang China

Active substance	39 - 3-iodo-2-propynylbutylcarbamate (IPBC)
Name of the manufacturer	Troy Corporation
Address of the manufacturer	8 Vreeland Road, Florham Park 07932 New Jersey United States
Location of manufacturing sites	One Avenue L 07105 New Jersey United States

Active substance	39 - 3-iodo-2-propynylbutylcarbamate (IPBC)
Name of the manufacturer	Troy Chemical Europe BV
Address of the manufacturer	Uiverlaan 12E, Maassluis 3145 XN Maassluis Netherlands
Location of manufacturing sites	Industriepark 23 D-56593 Horhausen Germany

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 AG, CH-4002 Basel, Switzerland. Plant location: CH-1870 Monthey Switzerland
	Jiangsu Yangnong Chemical Group Co., Ltd. Plant location: Wenfeng Road 225009 Yangzhou, Jiangsu China
	Jiangsu Seven Continent Green Chemical Co., Ltd. Plant location: North Area of Dongsha Chem-Zone 215600 Zhanjiagang, Jiangsu China

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	0,3
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	0,6

2.2. Type of formulation

AL - Any other liquid

3. Hazard and precautionary statements

Hazard statements	Harmful to aquatic life with long lasting effects. Contains 3-Iodo-2-propynyl-butyl carbamate and Propiconazole. May produce an allergic reaction.
Precautionary statements	Avoid release to the environment.

	Dispose of contents to in accordance with all local, regional, national and international regulations. Dispose of container to in accordance with all local, regional, national and international regulations..

4. Authorised use(s)

4.1 Use description

Use 1 - Wood preservative for preventive treatment of wood UC2 and UC3

Product type	PT08 - Wood preservatives (Preservatives)
Where relevant, an exact description of the authorised use	TEKNOL AQUA 1411-01 is an aqueous ready-to-use wood preservative. The product is for superficial treatments and protects the treated wood against wood destroying and wood discolouring fungi.
Target organism(s) (including development stage)	Scientific name: Ascomycetes and Deuteromycetes Common name: Blue stain fungi Development stage: Hyphae Scientific name: Basidiomycetes: Common name: Brown rot fungi Development stage: Hyphae Scientific name: Basidiomycetes: Common name: White rot fungi Development stage: Hyphae
Field(s) of use	Indoor Outdoor Preventive treatment of wood Use Class 2 and Use Class 3. The product is for use on wood not in ground contact, either continually exposed to the weather or protected from the weather but subject to frequent wetting.
Application method(s)	Method: flow coat Detailed description: A flow-coat is an application system designed to treat a wide number of different types of wooden items, either pre-assembled or individual items, e-g- window frames, window mouldings, doors, garden furniture and balcony units. A flow-coat works in the following way: The items are transported into the flow-coat using a suspended conveyor system. Inside the cubicle the items are showered with wood preservative; the excess liquid runs away and passes through a filter back to the liquid tank. Method: Vacumat (vacuum machines) Detailed description: A vacumate is an application machine designed for use in the treatment of a wide number of different types of wooden items. Several models have been designed to perform these tasks e.g.: - For ship-lay boards, mouldings, round wheels, pictures frames, window frames, external doors and for floor boards (with UV lacquer) - For items used internally e.g. doors, frames, base mouldings and coating profiles - For the treatment of edges, e.g. doors, tabletops and laminate boards. All types of vacumates work on the same basic principle. Conveyor belts transport the items into a chamber with low pressure created by powerful vacuum pumps.The

vacuum system, which can be combined with jets, first ensures that the items receive a more than adequate amount of liquid and then excess liquid is sucked away. The excess liquid passes through a filter back to the liquid tank.

Method: Application machine (= brush machine)
Detailed description:
The wood is fed through the application machine using continuously variable forward drive. The wood item is driven past a set of nozzles that apply an excess amount of wood preservative. 2 sets of rotating brushes ensure that the wood preservative is evenly distributed and brushes away any excess fluid.The wood preservative circulates in a closed circuit: sucked from bucket with fluid, application, filtration, return to bucket. In this way, any unnecessary fluid loss is avoided.

Method: Open system: dip treatment
Detailed description:
For dipping a number of different types of dipping vessels/dipping plants are used depending on the size of the materials and the type of dipping to be undertaken.The size of the dipping vessel can range from a simple "gutter" or bucket with just a few litre of liquid to a huge dipping plant with several thousand litre of liquid. These dipping plants are also available in different models, in some models, manual handling is -to some degree- needed.

Product TEKNOL AQUA 1411-01 must only be used in fully automated dipping processes where all
steps in the treatment and drying process are mechanised and no manual handling takes place including when the treated articles are transported through the dip tank to the draining/drying and storage areas (if not already surface dry before moving to storage). Where appropriate, the wooden articles to be treated must be fully secured (e.g. via tension belts or clamping devices) prior to treatment and during the dipping process, and must not be manually handled until after the treated articles are surface dry.

Method: Open system: deluging
Detailed description:
Low pressure deluge with air knife recovery or automated brush recovery.

Method: Brush, pad or roller treatment
Detailed description:
Manual application by brush, pad or roller.

Method: Spraying
Detailed description:
Hand spraying
Spraying is an application method in which the material is finely atomised in various types of application/spraying equipment.The coating facilities can either be equipped with manual spray guns or automatic spray guns, rotation disks or rotation bells.

Automatic spraying
Automatic spraying is an application method in which the material is finely atomised in various types of automatic application/spraying equipment.The coating facilities will be equipped with automatic spray guns, rotation disks or rotation bells and the spraying process will typically take place in a closed chamber.

Application rate(s) and frequencies

Application Rate: 90 - 110 g/m²
Dilution (%): 100
Number and timing of application:
The total amount to be applied is 90 - 110 g/m² Since actual absorption achieved depends on the wood species, the timber and surface quality and the application method, this may vary in practice and should be checked by appropriate means. Proper treatment is achieved by 1-2 applications. Under normal conditions TEKNOL AQUA 1411-01 is touch-dry after approximately 1-2 hour and can be coated after

approximately 3-4 hours.
Wood is treated with top coat before taken into service.

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Category(ies) of users	Industrial Professional General public (non-professional)
Pack sizes and packaging material	Drum : up to 25 L - plastic HDPE or metal (non-prof) Drum : up to 25 L - plastic HDPE or metal (prof) Drum or IBC : up to 1000 L - plastic HDPE or metal (industrial)

4.1.1 Use-specific instructions for use

Pre-treatment:
The wood must be clean and free from wood dust and contamination. The moisture content of the wood should be:
Windows and doors: approx. 13%, and should not exceed 15%.
Cladding: 18% +/- 2%.

Application conditions:
The product is delivered ready for use. Stir the product well before use. For industrial automated application process: Due to evaporation, the solid content of the liquid must be adjusted with water regularly. This adjustment is based on the measured solid of the liquid in the system. Optimum temperature for products and surroundings is 18-22 ° C . Optimum relative air humidity: approx. 50%.Application amount:
90 g/m² - wood destroying fungi (soft wood)

100 g/m² - wood destroying fungi (hard wood)

110 g/m² - wood discolouring fungi
Drying time determined at 20 °C and 50% relative humidity:
Dry to handle – 1-2 hours
Dry to recoat – 3-4 hours
The drying time can be reduced using special drying systems to force drying. The drying times are approximate and may vary according to wood quality, temperatures, humidity and ventilation.
Equipment to be cleaned with water.

Treated parts must always be protected with a topcoat treatment before they are exposed to the influence of the weather.

For industrial applications:
Application processes must be carried out within a contained area, situated on impermeable hardstanding with bunding to prevent run-off and a recovery system in place (e.g.sump). Treated
timber must be stored under cover with a recovery system in place (e.g. sump) or on impermeable hard standing and bunded to prevent run-off with a recovery system in place (e.g. sump).

With regard to application by automatic dipping, TEKNOL AQUA 1411-01 must only be used in fully automated dipping processes where all steps in the treatment and drying process are

mechanised and no manual handling takes place, including when the treated articles are transported through the dip tank to the draining/ drying and storage (if not already surface dry before moving to storage). Where appropriate, the wooden articles to be treated must be fully secured (e.g. via tension belts or clamping devices) prior to treatment and during the dipping process, and must not be manually handled until after the treated articles are surface dry.

A top-coat must be applied to treated timber in situations where it would be exposed to weathering. The topcoat should either be applied prior to the use of the treated timber in situations exposed to weathering, or in the case of 'new build' scenarios, or in situ applications of this product, prior to the weathering events themselves (e.g. rainfall). Wear suitable protective clothing (coveralls, gloves, footwear) when applying the product and when handling freshly treated timber. Avoid excessive contamination of coveralls.

For professional applications:
Application by manual dipping must be carried out within a contained area, situated on an impermeable surface. Storage of treated wood must either be under cover with a recovery system in place or on an impermeable surface). For in-situ application, soil must be protected by an impermeable cover or foil. Spraying applications should not be performed when losses due to spray drift cannot be prevented.
A top-coat must be applied to treated timber in situations where it would be exposed to weathering. The topcoat should either be applied prior to the use of the treated timber in situations exposed to weathering, or in the case of in-situ applications, prior to the weathering events themselves (e.g. rainfall).

Wear suitable protective clothing (coveralls, gloves, footwear) when applying the product and when handling freshly treated timber. Avoid excessive contamination of coveralls. Handle product and dry freshly treated wood in areas with good ventilation.

For non-professional applications:
During in-situ application, do not contaminate soil and surface waters with the product. Soil must be protected by an impermeable cover or foil when applying the product. Spraying applications should not be performed when losses due to spray drift cannot be prevented. A top-coat must be applied to treated timber in situations where it would be exposed to weathering. The topcoat should either be applied prior to the use of the treated timber in situations exposed to weathering, or in the case of in-situ applications, prior to the weathering events themselves (e.g. rainfall).

4.1.2 Use-specific risk mitigation measures

See use-specific instructions

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

First aid measures:

After skin contact: Take off all contaminated clothing and wash skin with plenty of water and soap. Seek medical attention if symptoms occur.
After eye contact: Rinse immediately with plenty of water. Seek medical attention if symptoms occur.
If swallowed: Wash mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention.
If inhaled: Move the affected person to fresh air. Keep person warm and rest. Provide artificial respiration by a trained person if breathing is irregular or arrested. Seek medical attention if symptoms are severe or long lasting.
If unconscious place in recovery position and seek medical attention immediately.

Environment:
Avoid discharge to lakes, streams, sewers, etc. In the event of a leakage to the surroundings, contact the local environmental authorities. Put up waste collecting trays/basins to prevent leakage to the surroundings.
Methods and material for containment and cleaning up: use sand, sawdust, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations. Cleaning should be done as far as possible using normal cleaning agents. Solvents should be avoided.

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

- Avoid release to the environment. Do not empty into drains.
- Do not contaminate ground, water bodies or water courses with chemical or used container.
- For in situ use, do not contaminate plant life and remove or cover aquaria/fish bowls/ponds before application.
- Collect spillage.
- Dispose of contents/container to an approved waste disposal plant.

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

Store in cool, dry place in well closed containers. Protect from direct sunlight.
Shelf life: 24 months in original containers.

5. General directions for use

5.1. Instructions for use

see authorised use

5.2. Risk mitigation measures

see authorised use

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

see authorised use

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

see authorised use

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

see authorised use

6. Other information