

Summary of product characteristics for a biocidal product

Product name: TEKNOL AQUA 1410-01

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

Authorisation number: IT/2014/00183/MRAFP

R4BP 3 asset reference number: IT-0005009-0000

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)	1
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	3
3. Hazard and precautionary statements	3
4. Authorised use(s)	3
5. General directions for use	7
5.1. Instructions for use	7
5.2. Risk mitigation measures	8
5.3. Particulars of likely direct or indirect effects, first aid instructions and emergency measures to protect the environment	8
5.4. Instructions for safe disposal of the product and its packaging	8
5.5. Conditions of storage and shelf-life of the product under normal conditions of storage	8
6. Other information	8

Administrative information

1.1. Trade names of the product

TEKNOL AQUA 1410-01 Colourless

1.2. Authorisation holder

Name and address of the authorisation holder	Name	Teknos A/S
	Address	Industrivej 19 6580 Vamdrup Denmark
Authorisation number	IT/2014/00183/MRAFP	
R4BP 3 asset reference number	IT-0005009-0000	
Date of the authorisation	10/03/2014	
Expiry date of the authorisation	28/07/2025	

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
	Perämatkuntie 12, PL 14 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 Pharmaceutica NV
Address of the manufacturer	Turnhoutseweg 30 B-2340 Beerse Belgium
Location of manufacturing sites	Route de L'Ile au Bois 1870 Monthey Switzerland
	Jiangsu SevenContinent Green Chemical Co. Ltd North Area of Dongsha Chem-Zone Zhangjagang China

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, Industrial & Environmental Affairs
Address of the manufacturer	Lanxess Deutschland GmbH, Industrial & Environmental Affairs, Chempark Q 18 51369 Leverkusen Germany
Location of manufacturing sites	Route de L'Ile au Bois 1870 Monthey Switzerland

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, Newark 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 3145 XN Maassluis Netherlands
Location of manufacturing sites	Industriepark 23 D-56593 Horhausen Germany

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	0,9

2.2. Type of formulation

EW - Emulsion, oil in water

3. Hazard and precautionary statements

Hazard statements

Harmful to aquatic life with long lasting effects.

May damage the unborn child.

Contains Propiconazole, 3-iodo-2-propynyl butylcarbamate and 1,2-Benzisothiazol-3(2H)-one. May produce an allergic reaction.

Precautionary statements

Avoid release to the environment.

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

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

Obtain special instructions before use.

Wear protective gloves. Wear protective clothing. Wear eye or face protection.

IF exposed or concerned: Get medical attention.

4. Authorised use(s)

4.1 Use description

Use 1 - Wood preservative

Product type

PT08 - Wood preservatives (Preservatives)

Where relevant, an exact description of the authorised use

TEKNOL AQUA 1410-01 is a ready-to-use wood preservative for preventive use against wood discolouring fungi such as blue stain, moulds and sap-stain, and wood rotting fungi, and preventive and curative use against dry rot.

Target organism(s) (including development stage)

Scientific name: Basidiomycetes:
Common name: Wood rotting fungi
Development stage: Hyphae

Scientific name: Aureobasidium pullulans spp.
Common name: Blue stain fungi
Development stage: Spores and spore producing structures

Scientific name: Sydowia pithyophilia
Common name: Blue stain fungi
Development stage: Spores and spore producing structures

Field(s) of use

Indoor

Outdoor

Other

IV.1 Indoor use
IV.1.2 use class 2

IV.2 Outdoor use
IV.2.2 use class 3

Application method(s)

Method: Brush treatment or Roller

Detailed description:

Manual brushing with a brush or rolling with a 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.

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 huge dipping plants with several thousands litre of liquid. These dipping plants are also available in different models.

Method: Open system: injection

Detailed description:

Injection

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

Application rate(s) and frequencies

Application Rate: 80 – 160 g of product per m2
Dilution (%): 0
Number and timing of application:
1 - 2 applications, duration 3 - 5 minutes.

Application Rate: 80 – 160 g of product per m2
Dilution (%): 0
Number and timing of application:
1 - 2 applications, duration 5 seconds.

Application Rate: 80 – 160 g of product per m2
Dilution (%): 0
Number and timing of application:
1 - 2 applications, duration 12 - 15 seconds.

Application Rate: 80 – 160 g of product per m2
Dilution (%): 0
Number and timing of application:
1- 3 applications

Application Rate: 80 – 160 g of product per m2
Dilution (%): 0
Number and timing of application:
1 - 2 applications, duration 30 seconds.

Application Rate: 80 – 160 g of product per m2
Dilution (%): 0
Number and timing of application:
1 - 2 applications, duration 3 - 5 minutes.

Category(ies) of users

Industrial
Trained professional
Professional

Pack sizes and packaging material

Can /Tin, Metal: , Up to 1000 liter
Can /Tin, Plastic: HDPE , Up to 1000 liter

Professional Up to 25 Litres
Industrial Up to 1000 Litres

Empty containers with a cured dried film of the products are considered non-hazardous waste material.

4.1.1 Use-specific instructions for use

Professional 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 wetting. 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.

Application via manual dipping must be carried out within a contained area and situated on an impermeable surface.

Storage of treated wood must either be undercover with a recovery system in place, or on an impermeable surface.

A top-coat (minimum total 240 ml/m², achieved by 1-3 applications, or minimum dry film thickness in total of 100 µm, achieved by 1-3 applications) 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). The top-coat should not contain a triazole fungicide.

Handle product and dry freshly treated wood in areas with good ventilation.

Industrial 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 wetting. 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.

Teknol Aqua 1410-01 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.

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).

Storage of treated wood must either be undercover 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).

A top-coat (minimum total 240 ml/m², achieved by 1-3 applications, or minimum dry film thickness in total of 100 µm, achieved by 1-3 applications) 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). The top-coat should not contain a triazole fungicide.

4.1.2 Use-specific risk mitigation measures

Professional use

The COSHH (Control of Substances Hazardous to Health) Regulations 2002 (as amended) apply to the use of this product at work.

Wear suitable protective clothing (coveralls, gloves, footwear) when applying product and when handling freshly treated timber.

Avoid excessive contamination of coveralls. Handle product and dry freshly treated wood in areas with good ventilation.

DO NOT CONTAMINATE FOODSTUFFS, EATING UTENSILS OR FOOD CONTACT SURFACES.

WASH HANDS AND EXPOSED SKIN before meals and after use.

KEEP IN A SAFE PLACE. For in situ use do not contaminate plant life and remove or cover aquariums/fish bowls/ponds before application.

UNPROTECTED PERSONS AND ANIMALS SHOULD BE KEPT AWAY FROM TREATED AREAS FOR 48 HOURS OR UNTIL SURFACES ARE DRY.

COVER ALL WATER STORAGE TANKS before application.

Dangerous to Bats. All bats are protected under the Wildlife and Countryside Act 1981. Before treating any structure used by bats, consult Natural England, Scottish Natural Heritage or the Countryside Council for Wales.

Industrial Use

Guidance on the safe use in accordance with all local, regional, national and international regulations

Wear suitable protective clothing (coveralls, gloves, footwear) when applying the product and when handling freshly treated timber.

Avoid excessive contamination of overalls.

DISPOSE OF SURPLUS CHEMICAL, CONTAMINATED MATERIALS (INCLUDING SAWDUST) AND THE EMPTY CONTAINER SAFELY using a method approved by the WASTE DISPOSAL AUTHORITY.

WASH HANDS AND EXPOSED SKIN before meals and after use.

KEEP IN A SAFE PLACE.

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

3-IODO-2-PROPYNYL-N-BUTYL CARBAMATE is a carbamate compound which has weak anticholinesterase activity.

DO NOT USE if under medical advice not to work with anticholinesterase compounds.

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: Do not induce vomiting unless expressly instructed by medical personnel.

If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Seek medical attention.

If inhaled: Move the affected person into 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.

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

Professional use

This material and its container must be disposed of in a safe way.

Do not empty into drains

Do not contaminate ground, waterbodies or watercourses with chemicals or used container.

Industrial use

DISPOSE OF SURPLUS CHEMICAL, CONTAMINATED MATERIALS (INCLUDING SAWDUST) AND THE EMPTY CONTAINER SAFELY using a method approved by the WASTE DISPOSAL AUTHORITY.

Do not contaminate ground, waterbodies or watercourses with chemicals or use

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

Store product in tightly closed original containers.

The maximum shelf life of the product is 18 months.

5. General directions for use

5.1. Instructions for use

See Instructions in Authorised uses

5.2. Risk mitigation measures

See Instructions in Authorised uses

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

See Instructions in Authorised uses

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

See Instructions in Authorised uses

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

See Instructions in Authorised uses

6. Other information