

Summary of product characteristics for a biocidal product

Product name: TEKNOL AQUA 1410-01

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

PT08 - Wood preservatives (Preservatives)

Authorisation number: FI-2016-0008 (family), FI-2016-0008-1

R4BP 3 asset reference number: FI-0013416-0001

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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	FI-2016-0008 (family), FI-2016-0008-1 1-1

R4BP 3 asset reference number

FI-0013416-0001

Date of the authorisation

30/06/2017

Expiry date of the authorisation

30/10/2025

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
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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

May damage the unborn child.
Harmful to aquatic life with long lasting effects.
Contains Propiconazole, 3-iodo-2-propynyl butylcarbamate and 1,2-Benzisothiazol-3(2H)-one. May produce an allergic reaction.

Precautionary statements

Obtain special instructions before use.
Wear protective gloves, protective clothing and eye or face protection.
Avoid release to the environment.
IF exposed or concerned: Get medical advice.
Store locked up.
Dispose of contents to waste facility in accordance with all local, regional, national and international regulations.

4. Authorised use(s)

4.1 Use description

Use 1 - Professional use

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: Spores and spore producing structures 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 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.
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. 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.

	<p>Method: Open system: injection Detailed description: Injection</p>
<p>Application rate(s) and frequencies</p>	<p>Application Rate: 80 – 160 g of product per m2 Dilution (%): not diluted Number and timing of application: 1 - 2 applications, duration 3 - 5 minutes.</p> <p>Application Rate: 80 – 160 g of product per m2 Dilution (%): not diluted Number and timing of application: 1 - 2 applications, duration 5 seconds.</p> <p>Application Rate: 80 – 160 g of product per m2 Dilution (%): not diluted Number and timing of application: 1 - 2 applications, duration 12 - 15 seconds.</p> <p>Application Rate: 80 – 160 g of product per m2 Dilution (%): not diluted Number and timing of application: 1- 3 applications</p>
<p>Category(ies) of users</p>	<p>Trained professional Professional</p>
<p>Pack sizes and packaging material</p>	<p>Can /Tin, Metal: , Up to 1000 liter Professional Up to 25 Litres Empty containers with a cured dried film of the products are considered non-hazardous waste material.</p>

4.1.1 Use-specific 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 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.

4.1.2 Use-specific risk mitigation measures

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.

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

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.

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.

4.2 Use description

Use 2 - Industrial use

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: Basidiomyketit;
Common name: Puuta lahottavat sienet
Development stage: Spores and spore producing structures

Scientific name: Aureobasidium pullulans spp.
Common name: Sinistäjäsieni
Development stage: Spores and spore producing structures

Scientific name: Sydowia pithyophilia
Common name: Sinistäjäsieni
Development stage: Spores and spore producing structures

Field(s) of use

Indoor

Outdoor

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.

Application method(s)

Method: Automatic spraying
Detailed description:

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: 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 (%): not diluted
Number and timing of application:
1 - 2 applications, duration 5 seconds.

Application Rate: 80 – 160 g of product per m2
Dilution (%): not diluted
Number and timing of application:
1 - 2 applications, duration 12 - 15 seconds.

Application Rate: 80 – 160 g of product per m2
Dilution (%): not diluted
Number and timing of application:
1 - 2 applications, duration 30 seconds.

Application Rate: 80 – 160 g of product per m2

	Dilution (%): not diluted Number and timing of application: 1 - 2 applications, duration 3 - 5 minutes.
Category(ies) of users	Industrial
Pack sizes and packaging material	Can /Tin, Metal: , Up to 1000 liter Industrial Up to 1000 Litres Empty containers with a cured dried film of the products are considered non-hazardous waste material.

4.2.1 Use-specific 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 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.

4.2.2 Use-specific risk mitigation measures

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.

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

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.

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

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

4.2.5 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

TEKNOL AQUA 1410-01 Family
See "Authorised uses"

5.2. Risk mitigation measures

TEKNOL AQUA 1410-01 Family
See "Authorised uses"

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

TEKNOL AQUA 1410-01 Family
See "Authorised uses"

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

TEKNOL AQUA 1410-01 Family
See "Authorised uses"

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

TEKNOL AQUA 1410-01 Family
See "Authorised uses"

6. Other information

Authorisation numbers in Finland:
TEKNOL AQUA 1410-01 Family: FI-2016-0008
TEKNOL AQUA 1410-01 colourless: FI-2016-0008-1

List of approved pigment pastes for the family:

Hostatint Black GR 30 (CS032)

Hostatint White R 30 (CW014)

Hostatint Yellow FGL 30 (CY040)