

# Summary of product characteristics for a biocidal product

**Product name:** TEKNOL AQUA 1411-01

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

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**Authorisation number:** IE/BPA 70773

**R4BP 3 asset reference number:** IE-0026571-0000

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## Administrative information

### 1.1. Trade names of the product

TEKNOL AQUA 1411-01
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### 1.2. Authorisation holder

<b>Name and address of the authorisation holder</b>	Name	Teknos A/S
	Address	Industrivej 19 6580 Vamdrup Denmark
<b>Authorisation number</b>	IE/BPA 70773	
<b>R4BP 3 asset reference number</b>	IE-0026571-0000	
<b>Date of the authorisation</b>	09/02/2021	
<b>Expiry date of the authorisation</b>	09/02/2026	

### 1.3. Manufacturer(s) of the biocidal products

<b>Name of the manufacturer</b>	Teknos A/S
<b>Address of the manufacturer</b>	Industrivej 19 6580 Vamdrup Denmark
<b>Location of manufacturing sites</b>	Industrivej 19 6580 Vamdrup Denmark
<b>Name of the manufacturer</b>	Teknos Oy
<b>Address of the manufacturer</b>	Takkatie 3 FI-00370 Helsinki Finland
<b>Location of manufacturing sites</b>	Perämatkuntie 12, PL 14 FI-05201 RAJAMÄKI Finland

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

<b>Active substance</b>	48 - 1-[[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]methyl]-1H-1,2,4-triazole (Propiconazole)
<b>Name of the manufacturer</b>	Janssen PMP, division of Janssen Pharmaceutica NV
<b>Address of the manufacturer</b>	Turnhoutseweg 30 2340 Beerse Belgium
<b>Location of manufacturing sites</b>	Jiangsu Sevencontinent Green Chemical Co. Ltd.; North Area of Dongsha Chem-Zone 215600 Zhangjiagang China
<b>Active substance</b>	39 - 3-iodo-2-propynylbutylcarbamate (IPBC)
<b>Name of the manufacturer</b>	Troy Corporation
<b>Address of the manufacturer</b>	8 Vreeland Road, Florham Park 07932 New Jersey United States
<b>Location of manufacturing sites</b>	One Avenue L 07105 New Jersey United States
<b>Active substance</b>	39 - 3-iodo-2-propynylbutylcarbamate (IPBC)
<b>Name of the manufacturer</b>	Troy Chemical Europe BV
<b>Address of the manufacturer</b>	Uiverlaan 12E, Maassluis 3145 XN Maassluis Netherlands
<b>Location of manufacturing sites</b>	Industriepark 23 D-56593 Horhausen Germany

<b>Active substance</b>	48 - 1-[[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]methyl]-1H-1,2,4-triazole (Propiconazole)
<b>Name of the manufacturer</b>	LANXESS Deutschland GmbH, Material Protection Products
<b>Address of the manufacturer</b>	Kennedyplatz 1 D-50569 Köln Germany
<b>Location of manufacturing sites</b>	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
1-methoxypropan-2-ol	1-methoxypropan-2-ol	Non-active substance	107-98-2	203-539-1	0,225
Octamethylcyclotetrasiloxane	2,2,4,4,6,6,8,8-octamethyl-1,3,5,7,2,4,6,8-tetraoxatetrasiloxane	Non-active substance	556-67-2	209-136-7	0,000024
Decamethylcyclopentasiloxane	2,2,4,4,6,6,8,8,10,10-decamethyl-1,3,5,7,9,2,4,6,8,10-pentaoxapentasiloxane	Non-active substance	541-02-6	208-764-9	0,000054
Dodecamethylcyclohexasiloxane	2,2,4,4,6,6,8,8,10,10,12,12-dodecamethyl-1,3,5,7,9,11-hexaoxa-2,4,6,8,10,12-hexasilacyclododecane	Non-active substance	540-97-6	208-762-8	0,00008
Monoethylene glycol	1,2 ethanediol	Non-active substance	107-21-1	203-473-3	0,05

### 2.2. Type of formulation

ME - Micro-emulsion
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### 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.  
May damage the unborn child.

#### Precautionary statements

Avoid release to the environment.  
Dispose of contents to in accordance with all local, regional, national and international regulations.  
Wear protective gloves.  
Wear protective clothing.  
Wear face protection.  
Wear eye protection.  
Store locked up.  
Keep out of reach of children.  
IF exposed or concerned: Get medical attention.

### 4. Authorised use(s)

#### 4.1 Use description

Use 1 - Use #1 -Industrial -Flowcoat -Deluge -Automated spraying -Vacumat -Brushing machine

#### Product type

PT08 - Wood preservatives (Preservatives)

#### Where relevant, an exact description of the authorised use

Fungicide

#### 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

<b>Field(s) of use</b>	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.
<b>Application method(s)</b>	Method: Flow coat - Deluging -Automated spraying -Vacumat -Brushing machine Detailed description: The biocidal product is to be applied in indoor industrial workplaces. Treated wood is to be used in use class 2 and 3.
<b>Application rate(s) and frequencies</b>	Application Rate: 90 g/m2 against wood destroying fungi (Soft wood), 100 g/m2 against wood destroying fungi (hard wood), 110 g/m2 against blue stain fungi. Dilution (%): 100 Number and timing of application: 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.
<b>Category(ies) of users</b>	Industrial
<b>Pack sizes and packaging material</b>	Can/drum: 10, 20, 200, 1000 liters - metal with metal lid/cap (tinplate with epoxy resin coating)

#### 4.1.1 Use-specific instructions for use

Please refer to section 5.1

#### 4.1.2 Use-specific risk mitigation measures

TEKNOL AQUA 1411-01 may only be loaded into industrial application equipment via a fully-automated dosing system.

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).  
Wear suitable protective footwear (EN 13832) when applying the product

Also refer to general risk mitigation measures

#### 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

Please refer to section 5.3

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

Please refer to section 5.4

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

Please refer to section 5.5

### 4.2 Use description

#### Use 2 - Use #2 -Industrial -Automated dipping

##### Product type

PT08 - Wood preservatives (Preservatives)

##### Where relevant, an exact description of the authorised use

Fungicide

##### 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

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: Automated dipping

Detailed description:

The biocidal product is to be applied by automated dipping in indoor industrial workplaces. Treated wood is to be used in use class 2 and 3.

**Application rate(s) and frequencies**

Application Rate: 90 g/m2 against wood destroying fungi (Soft wood), 100 g/m2 against wood destroying fungi (hard wood), 110 g/m2 against blue stain fungi.  
Dilution (%): 100  
Number and timing of application:  
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.

**Category(ies) of users**

Industrial

**Pack sizes and packaging material**

Can/drum: 10, 20, 200, 1000 liters - metal with metal lid/cap  
(tinplate with epoxy resin coating)

**4.2.1 Use-specific instructions for use**

Please refer to section 5.1

**4.2.2 Use-specific risk mitigation measures**

TEKNOL AQUA 1411-01 may only be loaded into industrial application equipment via a fully-automated dosing system.  
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.  
Wear suitable protective footwear (EN 13832) when applying the product.  
Also, refer to the general risk mitigation measures

**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**

Please refer to section 5.3

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

Please refer to section 5.4

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

Please refer to section 5.5

**4.3 Use description**

**Use 3 - Use #3 -Industrial and professional manual dipping**

<b>Product type</b>	PT08 - Wood preservatives (Preservatives)
<b>Where relevant, an exact description of the authorised use</b>	Fungicide
<b>Target organism(s) (including development stage)</b>	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
<b>Field(s) of use</b>	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: Manual dipping  
Detailed description:  
The biocidal product is to be applied by manual dipping in indoor industrial or professional workplaces. Treated wood is to be used in use class 2 and 3.

**Application rate(s) and frequencies**

Application Rate: 90 g/m2 against wood destroying fungi (Soft wood), 100 g/m2 against wood destroying fungi (hard wood), 110 g/m2 against blue stain fungi.  
Dilution (%): 100  
Number and timing of application:  
  
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.

**Category(ies) of users**

Industrial  
  
Trained professional  
  
Professional

**Pack sizes and packaging material**

Industrial: Can/drum: 10, 20, 200, 1000 liters - metal with metal lid/cap (tinplate with epoxy resin coating)  
  
Professional: Can: 10, 20 liters - metal with metal lid/cap (tinplate with epoxy resin coating)

**4.3.1 Use-specific instructions for use**

Please refer to section 5.1

### 4.3.2 Use-specific risk mitigation measures

TEKNOL AQUA 1411-01 may only be loaded into containers used in connection with industrial or professional application via an automated/semi-automated dosing system.  
Application by manual dipping cannot exceed 30 minutes per day.  
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).

Also, refer to the general risk mitigation measures

### 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

Please refer to section 5.3

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

Please refer to section 5.4

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

Please refer to section 5.5

## 4.4 Use description

### Use 4 - Use #4 -Professional -Brushing, pad or roller

**Product type**

PT08 - Wood preservatives (Preservatives)

**Where relevant, an exact description of the authorised use**

Fungicide

<b>Target organism(s) (including development stage)</b>	<p>Scientific name: Ascomycetes and Deuteromycetes Common name: Blue stain fungi Development stage: Hyphae</p> <p>Scientific name: Basidiomycetes: Common name: Brown rot fungi Development stage: Hyphae</p> <p>Scientific name: Basidiomycetes: Common name: White rot fungi Development stage: Hyphae</p>
<b>Field(s) of use</b>	<p>Outdoor</p> <p>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.</p>
<b>Application method(s)</b>	<p>Method: Manual dipping Detailed description:</p> <p>The biocidal product is to be applied by brush, pad or roller outdoors. Treated wood is to be used in use class 2 and 3.</p>
<b>Application rate(s) and frequencies</b>	<p>Application Rate: 90 g/m<sup>2</sup> against wood destroying fungi (Soft wood), 100 g/m<sup>2</sup> against wood destroying fungi (hard wood), 110 g/m<sup>2</sup> against blue stain fungi. Dilution (%): 100 Number and timing of application:</p> <p>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.</p>
<b>Category(ies) of users</b>	<p>Professional</p>
<b>Pack sizes and packaging material</b>	<p>Can: 10, 20 liters - metal with metal lid/cap (tinplate with epoxy resin coating)</p>

#### 4.4.1 Use-specific instructions for use

Please refer to section 5.1

#### **4.4.2 Use-specific risk mitigation measures**

TEKNOL AQUA 1411-01 may only be loaded into containers used in connection via an automated/semi-automated dosing system.

Also, refer to the general risk mitigation measures

#### **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**

Please refer to section 5.3

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

Please refer to section 5.4

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

Please refer to section 5.5

### **5. General directions for use**

## 5.1. Instructions for use

A top-coat must be applied to treated timber. The topcoat cannot contain a film- or wood preservative. The topcoat has to be maintained.

The authorisation holder must assure that wood treated with TEKNOL AQUA 1411-01 always receives a top coat.

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

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:  $18 \pm 2$  %.

The product is delivered ready for use. Stir the product well before use.

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: Approximately 50 %

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.

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

Inform the registration holder if the treatment is ineffective.

## 5.2. Risk mitigation measures

Wear protective chemical resistant gloves during product handling phase (glove material to be specified by the authorisation holder within the product information). A protective coverall (at least type 6, EN 13034) shall be worn.

Prevent any release to the environment during the product application phase as well as during the storage and the transport of treated timber.

Freshly treated timber must be stored after treatment under shelter or on impermeable hard standing, or both, to prevent direct losses to soil, sewer or water and that any losses of the product shall be collected for reuse or disposal.

During application to timbers and whilst surfaces are drying, do not contaminate soil. All losses of the product have to be contained by covering the soil and disposed of in a safe way.

Any contaminated water/soil shall be collected, contained and treated as hazardous waste.

Do not use indoors, except for external window frames and external doors.

The biocidal product shall not be used for treatment of wood which is intended for contact with food, feed or livestock.

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

Prevent any release to the environment during the product application phase as well as during the storage and the transport of treated timber.

Any contaminated water/soil shall be collected, contained and treated as hazardous waste.

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

FIRST AID: General information:

IF INHALED: Get medical attention.

IF INGESTED: Get medical attention.

IF ON SKIN: Take off all contaminated clothing and wash it before reuse. Wash skin with water. If skin irritation or rash occur: Get medical advice.

IF IN EYES If symptoms occur rinse with water. Remove contact lenses, if present and easy to do. Call a POISON CENTRE or a doctor.

Environment

Avoid discharge to lakes, streams, sewers, etc. In the event of a leakage to the surroundings, contact the local environmental authorities. Consider putting 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.

#### 5.4. 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.

Collect spillage.

Dispose of contents/container to an approved waste disposal plant.

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

The product must be stored at temperatures between 5°C and 20°C in well closed containers.

Protect from direct sunlight.

Shelf life: 24 months.

#### 6. Other information