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*ANNEX*

**SUMMARY OF PRODUCT CHARACTERISTICS FOR A BIOCIDAL PRODUCT**

TEKNOL AQUA 1412-01

**Product type(s)**

PT08: Wood preservatives

**Authorisation number:** reg. nr. 417-8

**R4BP asset number:** DK-0000152-0000

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## 1. ADMINISTRATIVE INFORMATION

### 1.1. Trade name(s) of the product

Trade name(s)	TEKNOL AQUA 1412-01
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### 1.2. Authorisation holder

Name and address of the authorisation holder	Name	Teknos A/S
	Address	Industrivej 19 6580 Vamdrup Denmark
Authorisation number		reg. nr. 417-8
<i>R4BP asset number</i>		DK-0000152-0000
Date of the authorisation		09/12/2011
Expiry date of the authorisation		30/04/2026

### 1.3. Manufacturer(s) of the product

Name of manufacturer	Teknos A/S
Address of 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	1-[[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]methyl]-1H-1,2,4-triazole (Propiconazole)
Name of manufacturer	Janssen Pharmaceutica NV
Address of 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	1-[[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]methyl]-1H-1,2,4-triazole (Propiconazole)
Name of manufacturer	Lanxess Deutschland GmbH, Industrial & Environmental Affairs
Address of 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	3-iodo-2-propynylbutylcarbamate (IPBC)
Name of manufacturer	Troy Corporation

Address of manufacturer	8 Vreeland Road, Florham Park 07932 New Jersey United States (the)
Location of manufacturing sites	One Avenue L, Newark 07105 New Jersey United States (the)

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

Active substance	tebuconazole
Name of manufacturer	Lanxess Deutschland GmbH, Industrial & Environmental Affairs
Address of manufacturer	Lanxess Deutschland GmbH, Industrial & Environmental Affairs, Chempark Q 18 51369 Leverkusen Germany
Location of manufacturing sites	Confidential – Reference to the LANXESS Deutschland GmbH Confidential Information (PT08 Dossier, Doc IIIA, A1.2) under manufacturing site for Tebuconazole 51369 Leverkusen Germany

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## 2. PRODUCT COMPOSITION AND FORMULATION

### 2.1. Qualitative and quantitative information on the composition of the product

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
1-[[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]methyl]-1H-1,2,4-triazole (Propiconazole)		active substance	60207-90-1	262-104-4	0,9
3-iodo-2-propynylbutylcarbamate (IPBC)		active substance	55406-53-6	259-627-5	0,3
tebuconazole	1-(4-chlorophenyl)-4,4-dimethyl-3-(1,2,4-triazol-1-ylmethyl)pentan-3-ol	active substance	107534-96-3	403-640-2	0,3

### 2.2. Type(s) of formulation

EW Emulsion, oil in water

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### 3. HAZARD AND PRECAUTIONARY STATEMENTS

Hazard statements	H411: Toxic to aquatic life with long lasting effects. H360D: May damage the unborn child. EUH208: Contains <name of sensitising substance>. May produce an allergic reaction.
Precautionary statements	P273: Avoid release to the environment. P501: Dispose of contents to waste facility in accordance with all local, regional, national and international regulations. P391: Collect spillage. P201: Obtain special instructions before use. P280: Wear Brug egnede beskyttelseshandsker. Brug særligt arbejdstøj. Bær beskyttelse til øjne og ansigt. P308+P313: IF exposed or concerned: Get medical attention.

## 4. AUTHORISED USE(S)

### 4.1. Use description

**Table 1. Wood preservative, Product type 8**

Product type	PT08: Wood preservatives
Where relevant, an exact description of the authorised use	Wood preservative. Only to be applied on wood for outdoor use above ground level against wood destroying fungi and wood discolouring fungi. For preventive fungicidal treatment of exterior wood i.e. windows and doors, that are not in contact with the ground in accordance with EN 335-1. Should only be handled by professionals or specialised professionals (i.e. windows and door manufacturers) in dip treatment, flow-coat – applications or brushing and rolling. The product can by brushing and rolling only be applied on windows and external doors.
Target organism(s) (including development stage)	<p>Scientific name: Basidiomycetes: Basidiomycetes: Common name: brown rot fungi Development stage: hyphae</p> <p>Scientific name: Aureobasidium pullulans spp. Common name: blue stain fungi Development stage: spores and spore producing structures</p> <p>Scientific name: Sydowia pithyophilia Common name: blue stain fungi Development stage: spores and spore producing structures</p>
Field(s) of use	<p>outdoor use</p> <p>IV.1 Indoor use IV.1.2 Use class 2 IV.2 Outdoor use IV.2.2 Use class 3</p>
Application method(s)	<p>Method: Fluting (flow-coat)</p> <p>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)</p> <p>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, table tops 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</p>

	<p>away. The excess liquid passes through a filter back to the liquid tank. Method: Application machine (= brush machine)</p> <p>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</p> <p>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. Product TEKNOL AQUA 1412-01 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: brush treatment</p> <p>Detailed description: Manual brushing with a brush. Method: Open system: roller</p> <p>Detailed description: Manual rolling by a hand roller. Method: open system: deluging</p> <p>Detailed description: Low pressure deluge with air knife recovery or automated brush recovery.</p>
Application rate(s) and frequency	<p>Application Rate: 130 – 140 g product/m<sup>2</sup></p> <p>Dilution (%): 0</p> <p>Number and timing of application: 1 - 2 application, duration 30 seconds Application Rate: 130 – 140 g product/m<sup>2</sup></p> <p>Dilution (%): 0</p> <p>Number and timing of application: 1 - 2 application, 2 - 3 seconds Application Rate: 130 – 140 g product/m<sup>2</sup></p> <p>Dilution (%): 0</p> <p>Number and timing of application: 1 - 2 application, duration 2 - 3 seconds Application Rate: 130 – 140 g product/m<sup>2</sup></p>



	<p>Dilution (%): 0</p> <p>Number and timing of application: 1 - 2 application, duration 12 - 15 seconds Application Rate: 130 – 140 grams per m2</p> <p>Dilution (%): 0</p> <p>Number and timing of application: 1 - 2 applications, duration 3 - 5 minutes Application Rate: 130 – 140 g product/m2</p> <p>Dilution (%): 0</p> <p>Number and timing of application: 1 - 2 applications, duration 3 - 5 minutes Application Rate: 130 – 140 g product/m2</p> <p>Dilution (%): 0</p> <p>Number and timing of application: 1 - 2 application, duration 3 - 5 minutes</p>
Category(ies) of users	industrial ; trained professional ; professional
Pack sizes and packaging material	<p>Can /Tin, Metal: , 0.75, 1, 2, 5, 20, 120, 1000</p> <p>Can /Tin, Plastic: HDPE , 0.75, 1, 2, 5, 20, 120, 1000</p> <p>Not classified.</p> <p>Empty containers with a cured film of the product are considered non-hazardous waste material.</p>

#### 4.1.1. Use-specific instructions for use

Application rate: 130 – 140 grams per m2. The wood must be clean and free of dust and impurities. The moisture content of the wood should be approximately 13 % and must not exceed 15 %. The product must be stirred well before use. To be applied un-diluted at a spreading rate of minimum 130 – 140 grams per m2. Due to evaporation of water (especially in flow coat equipment's) the solids content of the liquid must be adjusted at appropriate time intervals. During application and drying the relative humidity of the air should be approximately 50 % and the ambient temperature 18 – 22 °C. Direct skin contact with the liquid product must be avoided. The treated wood is ready for handling after approximately 1 – 2 hours of drying and ready for further treatment with coatings after 3 - 4 hours at 20 °C.

#### 4.1.2. Use-specific risk mitigation measures

Direct skin contact with the liquid product must be avoided. The treated wood is ready for handling after approximately 1 – 2 hours of drying and ready for further treatment with coatings after 3 - 4 hours at 20 °C. The application equipment is cleaned with water. The waste water and the product are not allowed for direct draining into the public system. Use protective gloves whilst handling the liquid product. Freshly treated wood must be stored after treatment under shelter or on impermeable hard standing to prevent direct losses to soil or water, and that any losses must be collected for re-use or disposal. The product must only be applied on wood, which is not in direct contact with food or foodstuff for animals. To be stored safe from reach of children. Must not be stored together with food, drinks and foodstuff. When handling or dipping the treated wood before complete drying, protective gloves, boots and apron must be utilized

#### 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

Inhalation of spraying aerosols may cause irritation of mucous membranes. If inhalation of vapours and spraying aerosols is avoided, the health risk at normal work is little. If inhaled: Remove person to fresh air. Droplets in the eyes cause irritation. If swallowed, drink water or milk and do not provoke vomiting. In the case of vomiting keep the head low in order to prevent contents from the stomach to enter the lungs. Request a medical doctor. In case of contact with the eyes: Contact lenses should be removed immediately, rinse with clean, fresh water for at least 10 minutes holding the eye lids apart, and contact immediately a medical doctor. If

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the product is contaminating the skin: Contaminated clothes are removed immediately and then rinse thoroughly with excessive amounts of water (and soap). Proprietary skin cleaner may be used and skin cream may be applied. Do not apply organic solvents or thinners. In all cases of doubt, or when symptoms persist, seek medical advice.

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

Waste material of the product is classified as hazardous waste material and must be collected and disposed in accordance with the local restrictions and regulations. Hazardous waste materials must be disposed directly to the local waste material station or directly to the national waste material collection station (for example “Kommunekemi” in Denmark). Empty or dried containers may be disposed as normal, daily waste material.

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

Keep out of children’s reach. Must not be stored together with food, drink and feeding stuff. The product must be stored at ambient temperatures between 5 – 25 °C in a dry, well ventilated place. Keep away from oxidising agents, strong alkaline and strong acid materials. Follow national legislation concerning storage. The product may be stored in unopened containers for at least 12 months from day of delivery and 24 month from date of manufacture. After opening of the container, the storage stability is limited. Containers, that are opened should be carefully resealed and kept in an upright position to prevent leakage.

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## **5. GENERAL DIRECTIONS FOR USE<sup>1</sup>**

### **5.1. Instructions for use**

See "Authorised uses".

### **5.2. Risk mitigation measures**

See "Authorised uses".

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

See "Authorised uses".

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

See "Authorised uses".

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

See "Authorised uses".

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<sup>1</sup>Instructions for use, risk mitigation measures and other directions for use under this section are valid for any authorised uses.

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## 6. OTHER INFORMATION

### Bilag 1

Oplysninger til etiket og brugsanvisning for TEKNOL AQUA 1412-01, BPR-reg. nr. 417-8

I. Etiketten skal udformes i overensstemmelse med artikel 69 i biocidforordningen (Forordning (EU) nr. 528/2012), og CLP Forordningen 1.

II. Det er udelukkende ansøgers/godkendelsesindehaverens ansvar, at etiket, mærkning og pakning lever op til lovens krav, jf. biocidforordningen artikel 69. Nedstående tekst i afsnit III er bidrag til overholdelsen af reglerne og således kun en del af de krav, som stilles til blandt andet etiketten.

III. Etiketten skal indeholde nedenstående oplysninger. Oplysninger i citationstegn skal angives ordret:

1) I hovedfeltet:

”Træbeskyttelsesmiddel (PT 8)

Må kun anvendes over jord til træbeskyttelse mod blåsplint og træødelæggende svamp. Må kun anvendes i brugsklasse 2 og 3 jf. DS/EN335-1.”

2) I advarselsfeltet:

”FORSIGTIG

Giftig for vandlevende organismer, med langvarige virkninger (H411)

Vask huden efter arbejdet.

Overtrædelse af nedenstående særligt fremhævede forskrifter kan medføre straf:

Må kun anvendes over jord til træbeskyttelse mod blåsplint og træødelæggende svamp. Må kun anvendes i brugsklasse 2 og 3 jf. DS/EN335-1.

Må kun anvendes i dosering på 130-140 ml/m<sup>2</sup> (130-140 g/m<sup>2</sup>) ved manuel og automatiseret pensling, rullepåføring, dypning, vakumat og flow-coat proces.

Produktet TEKNOL AQUA 1412-01 må tillige anvendes i den angivne dosering i fuldautomatiserede neddypningsprocesser, hvor alle trin i behandlings- og tørringsprocessen er mekaniserede, og ikke omfatter manuel håndtering, herunder når de behandlede artikler transporteres gennem dypetanken til drænings-/tørringsområdet og lageret (hvis de ikke allerede er tørre på overfladen, inden de flyttes til lageret). Om nødvendigt skal de træartikler, der skal behandles, fastgøres helt (f.eks. med spændebånd eller fastspændingsanordninger) inden behandling og under neddypningsprocessen og må ikke håndteres manuelt, før overfladen på de behandlede artikler er tør.

Må kun anvendes til påføring på døre og vinduer ved pensling og rullepåføring.

Må ikke anvendes mod andre skadevoldere og ikke i højere doseringer end de i brugsanvisningen nævnte.

Må ikke anvendes til træværk, der kommer i direkte berøring med fødevarer og foderstoffer.

Behandlet træ må indendørs kun bruges til vinduesrammer og yderdøre.

Må ikke anvendes indendørs.

For at beskytte organismer, der lever i vand, må midlet og det behandlede træ ikke anvendes i eller i umiddelbar nærhed af vandmiljøet (vandløb, søer m.v.).

Det behandlede træ skal overfladebehandles, med for eksempel en maling. Overfladebehandlingen skal løbende vedligeholdes.

Må ikke tømmes i kloak afløb.

Undgå Udledning til miljøet.

Udslip opsamles

Opbevares utilgængeligt for børn.

Må ikke opbevares sammen med fødevarer, drikkevarer og foderstoffer.

Supplerende forskrifter ved erhvervsmæssig anvendelse:

Nyligt behandlet træ skal efter behandlingen henstilles overdækket eller på et hårdt og uigennemtrængeligt underlag for at forebygge direkte spild til jord og vand.

Eventuelt spild skal opsamles til genbrug eller bortskaffelse.

For at beskytte organismer, der lever i vand, må det behandlede træ ikke anvendes i eller i umiddelbar nærhed af vandmiljøet (vandløb, søer m.v.).

Det behandlede træ skal overfladebehandles, med for eksempel en maling. Overfladebehandlingen skal løbende vedligeholdes.

Ovenstående indrammede angivelse skal være tydeligt anført på et faktaark eller lignende, der følger det behandlede træ.”

Farepiktogrammet GHS09

Evt. oplysninger om førstehjælp.

3) I deklarationsfeltet:

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- a) Teksten ”Træbeskyttelsesmiddel BPD-nr. 417-8. Aktivstofferne er godkendt efter biociddirektivet (98/8/EF). Midlet er godkendt efter Miljøministeriets bekendtgørelse om bekæmpelsesmidler”.
- b) Oplysning om præparattype: ”Væske” for dette præparat.
- c) Indholdet af aktivstofferne i vægtprocent og g/L ved 20°C.
- d) Sætningen: ”Indeholder IPBC og propiconazol. Kan udløse en allergisk reaktion.”
- e) Sidste holdbarhedsdato. Denne dato må højst være 2 år efter produktionsdatoen. Etikettens dato kan udformes som en henvisning til en produktionsdato andetsteds på emballagen.
- f) Batchnummer eller -betegnelse.
- g) Pakningsstørrelse i liter.
- 4) Brugsanvisningen skal rettes til efter bilag 4 til denne afgørelse og indeholde:
- a) Oplysninger om skadevoldere, anvendelsesområde og doseringer.
- b) Følgende sætninger på en fremtrædende plads i brugsanvisningen:  
”Indholdet/holderen bortskaffes i overensstemmelse med kommunale regler for affaldshåndtering.” (P501)  
”Rester skal afleveres til den kommunale affaldsordning for farligt affald” og  
”Tom emballage bortskaffes i henhold til de kommunale affaldsregulativer”.