Summary of product characteristics for a biocidal product

Product name: AQUA PRIMER 2907-02 Teak

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

Authorisation number: IE/BPA 70039

R4BP 3 asset reference number: IE-0014497-0002

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Administrative information

1.1. Trade names of the product

AQUA PRIMER 2907-02 Teak

1.2. Authorisation holder

Name and address of the authorisation holder	Name	Teknos A/S
	Address	Industrivej 19 6580 Vamdrup Denmark
Authorisation number	IE/BPA 70039 1-1	

R4BP 3 asset reference number	IE-0014497-0002
Date of the authorisation	25/07/2016
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

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 Chemical Company BV
Address of the manufacturer	Uiverlaan 12e PO Box 132 3145 XN Maassluis Netherlands
Location of manufacturing sites	8 Vreeland Road, Florham Park 07932 New Jersey United States

Active substance	39 - 3-iodo-2-propynylbutylcarbamate (IPBC)
Name of the manufacturer	ISP Horhausen GMBH
Address of the manufacturer	Industriepark 23 D-56593 Horhausen Germany
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 (%)
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
3-iodo-2-propynylbutylcarbamate (IPBC)		Active Substance	55406-53-6	259-627-5	0,3

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. 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.

4. Authorised use(s)

4.1 Use description

Use 1 - Wood preservative, Product type 8

Product type	PT08 - Wood preservatives (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 flow coating, dipping, vacuum machine or brush applications.

Target organism(s) (including development stage)	Scientific name: Basidiomycetes: Common name: Wood rotting basidiomycetes 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 IV.1 Indoor use IV.1.2 use class 2 IV.2 Outdoor use IV.2.2 use class 3
Application method(s)	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: 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 shiplay 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 principles.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 treatment 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 preservatives circulates in a closed circuit: sucked from the 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 huge dipping plants with several thousands litre of liquid. These dipping plants are also available in different models. Method: Open system: brush treatment Detailed description: Manual brushing with a brush. Method: Open system: deluging Detailed description: Low pressure deluge with air knife recovery or automated brush recovery.

Application rate(s) and frequencies	Application Rate: 130 – 140 grams (mean value) per m2 or 7,5 m2 per litre Dilution (%): 0 Number and timing of application: 1 -2 applications, duration 30 seconds. Application Rate: 130 – 140 g product/m2 Dilution (%): 0 Number and timing of application: 1 - 2 applications, 2 - 3 seconds Application Rate: 130 – 140 g product/m2 Dilution (%): 0 Number and timing of application: 1 - 2 applications, duration 2 - 3 seconds. Application Rate: 130 – 140 g product/m2 Dilution (%): 0 Number and timing of application: 1 -2 applications, duration 12 - 15 seconds Application Rate: 130 – 140 grams per m2 Dilution (%): 0 Number and timing of application: 1 - 2 applications, duration 3 - 5 minutes. Application Rate: 130 – 140 g product/m2 Dilution (%): 0 Number and timing of application: 1 - 2 applications, duration 3 - 5 minutes
Category(ies) of users	Industrial Trained professional
Pack sizes and packaging material	Can /Tin, Metal: , 20, 120, 1000 liter Can /Tin, Plastic: HDPE , 20, 120, 1000 liter None. Empty containers with a cured dried film of the products are considered non-hazardous waste material.

4.1.1 Use-specific instructions for use

The wood must be clean and free of dust and impurities. The moisture content of the wood should be between 10-14 %. The product must be stirred well before use. To be applied un-diluted at a spreading rate of minimum 130 – 140 grams (mean value) per m2 or 7,5 m2 per litre. Due to evaporation of water (especially in flow coat equipments) the solids content of the liquid must be adjusted at appropriate time intervals. This adjustment is based on the measured solids content of the liquid in the system. During application and drying the relative humidity of the air should be 40 – 60 % and the ambient temperature 15 – 25 ºC. Direct skin contact with the liquid product must be avoided.

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 60 minutes at 20 ºC and ready for further treatment with coatings after approximately 3 hours at 25 – 30 ºC. 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 utilised.

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 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 0 – 25 ºC 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. 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.

5. General directions for use

5.1. Instructions for use

AQUA PRIMER 2907-02
See "Authorised uses".

5.2. Risk mitigation measures

AQUA PRIMER 2907-02
See "Authorised uses".

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

AQUA PRIMER 2907-02
See "Authorised uses".

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

AQUA PRIMER 2907-02
See "Authorised uses".

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

AQUA PRIMER 2907-02
See "Authorised uses".

6. Other information

AQUA PRIMER 2907-02 Family, IE
AQUA PRIMER 2907-02
The authorisation of AQUA PRIMER 2909-02 is granted as a BPD Frame Formulation and the following products are granted under the BPD Frame Formulation and to be contained in the BPR Family:

1. AQUA PRIMER 2907-02 Reference product
2. **AQUA PRIMER 2907-02 Colourless (IE/BPA 70039-001)**
3. AQUA PRIMER 2907-02 Spruce 9002 (IE/BPA 70039-002)

4. AQUA PRIMER 2907-02 Palisander 9016 (IE/BPA 70039-003)

Colours within the product family of AQUA PRIMER 2907-02 are produced by tinting with the pigment pastes approved in the product family into AQUA PRIMER 2907-02 Colourless (see below list).

The combinations and concentrations of pigment pastes to be added depends on the colour recipe of each specific colour.
The total maximum amount of tinting pastes added to AQUA PRIMER 2907-02 Colourless must not exceed 5,0 w/w% pigment paste.

List of approved pigment pastes:

AQUA-CHEM 895-0005 ATW TITANIUM WHITE (AJ White)
AQUA-CHEM 895-0405 AQR QUINACRIDONE RED (AO Pink)
AQUA-CHEM 895-0905 AUO LEAD FREE ORANGE (AN Orange)
AQUA-CHEM 895-1006 ARO RED OXIDE (AP Red Oxide)
AQUA-CHEM 895-1806 AYO YELLOW OXIDE (AL Yellow Oxide)
AQUA-CHEM 895- 2505 AMY L/F MDIUM YELLOW (AV Dark Yellow)
AQUA-CHEM 895-2605 AOY ORGANIC YELLOW (AD Bright Yellow)
AQUA-CHEM 895-5505 APG PHTALO GREEN (AU Green)
AQUA-CHEM 895-7205 APB PHTALO BLUE (AS Blue)
AQUA-CHEM 895-9905 ALB LAMP BLACK (AT Black)
AQUA-CHEM 895-2525 AYE YELLOW (AM Pure Yellow)
AQUA-CHEM 895-0725 ARE RED (AQ Red)
AQUA-CHEM 895-8805 ACV CARBAZOL VIOLET (AW Violet)
Hostatint Black GR-T 500 VP 3745 (Black TT)
Luconylrot 2817 (Transp. Red A)
Luconyl gelb 1916 (Transp. Yellow B)
Hostatint Schwarz GR30
Hostatint Blue B2G 194
Hostatint Green GG 30
Hostatint Oxide red B 30
Hostatint Orange GR30
Hostatint Yellow FGL 30
Hostatint Oxide Yellow R 31
Hostatint White R 30
Hostatint Pink E 194

Hostatint Yellow 4GX 500 VP 3249
Hostatint Yellow FGL 500 VP 3507
Hostatint Orange GR 500 VP 3508
Hostatint Red GR 500 VP 3193
Hostatint Pink E 500 M-01 VP 3271
Hostatint Violet RL 500 VP 3367
Hostatint Blue B2G 500 M-01 VP 3720
Hostatint Green GG-T 500 VP 3753
Hostatint Oxid Yellow R 500 VP 3191
Hostatint Oxide Red B 500
Hostatint Oxide Green G 500 VP 3417
Hostatint White R 500 VP 3301
TEKNOPAINT ADDITIVE 7901-00, 1066128

Aqua Primer 2907-02
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2. AQUA PRIMER 2907-02 Colourless (IE/BPA 70039-001)
3. AQUA PRIMER 2907-02 Spruce 9002 (IE/BPA 70039-003)
4. AQUA PRIMER 2907-02 Palisander 9016 (IE/BPA 70039-004)

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Hostatint Yellow FGL 500 VP 3507
Hostatint Orange GR 500 VP 3508
Hostatint Red GR 500 VP 3193
Hostatint Pink E 500 M-01 VP 3271
Hostatint Violet RL 500 VP 3367
Hostatint Blue B2G 500 M-01 VP 3720
Hostatint Green GG-T 500 VP 3753
Hostatint Oxid Yellow R 500 VP 3191
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Hostatint Oxide Green G 500 VP 3417
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