Summary of product characteristics for a biocidal product

Product name: Tanasote S40

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

PT08 - Wood preservatives (Preservatives)

Authorisation number: 5682

R4BP 3 asset reference number: SE-0026477-0000

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Administrative information

1.1. Trade names of the product

Tanasote S40

1.2. Authorisation holder

Name and address of the authorisation holder	Name	Lonza Cologne GmbH
	Address	Nattermannallee 1 50829 Cologne Germany
Authorisation number	5682	
R4BP 3 asset reference number	SE-0026477-0000	
Date of the authorisation	23/03/2021	
Expiry date of the authorisation	21/03/2031	

1.3. Manufacturer(s) of the biocidal products

Name of the manufacturer	Arch Timber Protection Ltd
Address of the manufacturer	Wheldon Road WF10 2JT Castleford United Kingdom
Location of manufacturing sites	Leeds Road HD2 1YU Huddersfield United Kingdom

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

Active substance	16 - Copper hydroxide
Name of the manufacturer	Speiss Urania Chemicals GmbH
Address of the manufacturer	Heidenkampsweg 77 20097 Hamburg Germany
Location of manufacturing sites	Spiess-Urania Chemicals GmbH, Hovestr. 50 20539 Hamburg Germany

Active substance	20 - DDACarbonate
Name of the manufacturer	Lonza Cologne GmbH
Address of the manufacturer	Nattermannallee 1 50829 Cologne Germany
Location of manufacturing sites	Lonza Inc., 8316 West Route IL 61547 Mapleton United States

Active substance	1452 - Penflufen
Name of the manufacturer	LANXESS Deutschland GmbH
Address of the manufacturer	Kennedyplatz 1 50569 Cologne Germany
Location of manufacturing sites	Bayer AG, Alte Heerstr 41538 Dormagen 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 (%)
Copper hydroxide	Copper (II) hydroxide	Active Substance	20427-59-2	243-815-9	4,615
DDACarbonate	Reaction mass of N,N-didecyl-N,N-dimethylammonium carbonate and N,N-didecyl-N,N-dimethylammonium bicarbonate	Active Substance	894406-76-9	451-900-9	0,91
Penflufen		Active Substance	494793-67-8		0,0379
Fatty acids, C8-C10	Fatty acids, C8-C10	Non-active substance	68937-75-7	273-086-2	9,9

2.2. Type of formulation

OL - Oil miscible liquid

3. Hazard and precautionary statements

Hazard statements	Causes skin irritation. Causes serious eye damage. Very toxic to aquatic life with long lasting effects.
Precautionary statements	Wash hands thoroughly after handling. Avoid release to the environment. Wear protective gloves. Wear eye protection. IF ON SKIN:Wash with plenty of water. IF IN EYES:Rinse cautiously with water for several minutes.Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER. If skin irritation occurs:Get medical advice. Take off contaminated clothing.And wash it before reuse. Dispose of contents to an approved disposal plant. Collect spillage.

4. Authorised use(s)

4.1 Use description

Use 1 - Industrial use (Use class 3)

Product type	PT08 - Wood preservatives (Preservatives)
Where relevant, an exact description of the authorised use	

	Fungicide Insecticide
Target organism(s) (including development stage)	Scientific name: Hylotrupes bajulus L. Common name: House longhorn beetle Development stage: Larvae Scientific name: Reticulitermes sp. Common name: Termites (genus Reticulitermes) Development stage: 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	Indoor Indoor application of the wood preservative. Pressure applied preventative treatment for industrial timbers. Use class 3: treatment of general timber and railway sleepers Use class 3: situation in which the wood or wood-based product is not covered and not in contact with the ground. It is either continuously exposed to weather or protected from the weather but subject to frequent wetting. For use class 3, the product can be applied to both softwood and hardwood.
Application method(s)	Method: Closed system: vacuum impregnation Detailed description: <u>Full Cell Process:</u> • Bethel process <u>Empty Cell Process:</u> • Rueping process • The Lowry process
Application rate(s) and frequencies	Application Rate: UC 3 (excluding termites): 48.7-100 kg/m3; UC3 (including termites): 65.4-100 kg/m3; UC3 (railway sleepers, including termites): 64.5 -133 kg/m3 Dilution (%): 0 Number and timing of application: The timber is treated once, before being placed into service. No re-treatment or additional treatment is necessary during the service life of the treated article.
Category(ies) of users	Industrial Professional

Pack sizes and packaging material	IBC (intermediate bulk container) in HDPE: 1000 L

4.1.1 Use-specific instructions for use

see General directions for use

4.1.2 Use-specific risk mitigation measures

see General directions for use

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

see General directions for use

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

see General directions for use

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

see General directions for use

4.2 Use description

Use 2 - Industrial use (Use class 4)

Product type	PT08 - Wood preservatives (Preservatives)
Where relevant, an exact description of the authorised	Fungicide

use	Insecticide
Target organism(s) (including development stage)	Scientific name: Hylotrupes bajulus L. Common name: House longhorn beetle Development stage: Larvae Scientific name: Reticulitermes sp. Common name: Termites (genus Reticulitermes) Development stage: Scientific name: Basidiomycetes: Common name: Brown rot fungi Development stage: Hyphae Scientific name: Basidiomycetes: Common name: White rot fungi Development stage: Hyphae Scientific name: Ascomycetes, Deuteromycetes Common name: Soft rot fungi Development stage: Hyphae
Field(s) of use	Indoor Indoor application of the wood preservative. Pressure applied preventative treatment for industrial timbers. Use class 4: treatment of general timber. Use class 4: Situation in which the wood or wood-based product is in contact with the ground and permanently exposed to wetting. For use class 4, the product is applied to softwood only. The product must not be used to treat timber that will be placed in or near surface water bodies in use class 4.
Application method(s)	Method: Closed system: vacuum impregnation Detailed description: <u>Full Cell Process:</u> • Bethel process <u>Empty Cell Process:</u> • Rueping process • Lowry process
Application rate(s) and frequencies	Application Rate: UC4 (including termites): 86.5 -133 kg/m3 Dilution (%): 0 Number and timing of application: The timber is treated once, before being placed into service. No re-treatment or additional treatment is necessary during the service life of the treated article.
Category(ies) of users	Industrial Professional

Pack sizes and packaging material	IBC (intermediate bulk container) in HDPE: 1000 L

4.2.1 Use-specific instructions for use

see General directions for use

4.2.2 Use-specific risk mitigation measures

see General directions for use

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

see General directions for use

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

see General directions for use

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

see General directions for use

5. General directions for use

5.1. Instructions for use

TANASOTE® S40 is a ready-to-use wood preservative which is applied to timber by one of the following pressure processes, Lowry process, Rueping cycle or Bethel cycle. Apply a long final vacuum at the end of each cycle. The application method will depend on the type of timber or the timber end use. The timber in the vessel should be treated to the predetermined retentions based on the desired use.
Please read and understand:

- The Technical Data Sheet for TANASOTE® S40 which provides a summary of the product.
- The Material Safety Data Sheets for TANASOTE® S40

The IBC containing theTanasote S40 is connected via a bottom locking run off valve directly to the treatment vessel.

Since only efficacy data for Hylotrupes bajulus have been provided and no information is given demonstrating that this species is the least sensitive only use against Hylotrupes bajulus (House longhorn beetle) can be authorized.

The retentions are expressed as kg/m^3 of Tanasote S40 in the analytical zone.

- UC3: 48.7 kg/m^3 – 100 kg/m^3
- UC3 (termites): 65.4 kg/m^3 – 100 kg/m^3
- UC3 (railway sleepers, incl termites): 65.4 kg/m^3 – 133 kg/m^3
- UC4 (incl termites): 86.5 kg/m^3 – 133 kg/m^3

For use class 4 (UC4), the product is applied to softwood only.

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.
The use of eye protection during handling of the product is mandatory.

There will be no application and storage emissions. Labelling and associated literature must state that all treatment of timber be undertaken at industrial site where:

- 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).
- Freshly treated timber shall be stored after treatment under shelter on impermeable hard standing to prevent losses to soil, sewer, or water, and that any losses from the application of the product shall be collected for re-use or disposal.
- Application solutions must be collected and reused or disposed of as hazardous waste. They must not be released to soil, ground- and surface water or any kind of sewer.
- Do not apply near bodies of surface water or in the area of water protection zones. [where relevant provide for appropriate distance stipulations]

The product must not be used to treat timber that will be placed in or near surface water bodies in use class 4.

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

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

General advice - In case of accident or if you feel unwell, seek medical advice immediately (show the safety data sheet or product label where possible).

IF INHALED: If symptoms occur call a POISON CENTRE or a doctor.

IF SWALLOWED: Immediately rinse mouth. Give something to drink, if exposed person is able to swallow. Do NOT induce vomiting. Call 112/ambulance for medical assistance.
IF ON SKIN: Take off all contaminated clothing and wash it before reuse. Wash with soap and water. If skin irritation occur: Get medical advice.
IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Call 112/ambulance for medical assisiance.

Environmental precautions: Shut off the source of leak if safe to do so. If spillage occurs at a timber treatment plant/site follow on-site emergency procedures. If contamination of drainage systems or watercourse occurs, immediately inform appropriate authorities.

Clean-up methods: Recover the product where possible. Absorb spillage in earth or sand. Place in an appropriate container. Seal containers and label them. Remove contaminated material to a safe location for subsequent disposal.

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

Empty IBC container should be returned to the manufacturer for recycling.
Do not dispose of any residue down the drain.
IBC containers must not be re-used for drinking water or containing foodstuffs.
Tanasote S40 should be disposed in accordance with local authority requirements. Normally in such cases, the treatment plant management would first contact the product supplier to discuss re-use.
Treated wood waste should be disposed according to local authority regulations.

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

Store in original container.
Shelf-life of 24 months.

6. Other information

Amount of DDACarbonate in Tanasote S40: 1.5 % w/w (technical concentrate (TK)), 0.68 % w/w (pure).