

Summary of product characteristics for a biocidal product

Product name: Tanasote S40

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

Authorisation number: NO-2021-0207

R4BP 3 asset reference number: NO-0026485-0000

Table Of Contents

Administrative information	1
1.1. Trade names of the product	1
1.2. Authorisation holder	1
1.3. Manufacturer(s) of the biocidal products	1
1.4. Manufacturer(s) of the active substance(s)	1
2. Product composition and formulation	2
2.1. Qualitative and quantitative information on the composition of the biocidal product	2
2.2. Type of formulation	3
3. Hazard and precautionary statements	3
4. Authorised use(s)	3
5. General directions for use	5
5.1. Instructions for use	5
5.2. Risk mitigation measures	5
5.3. Particulars of likely direct or indirect effects, first aid instructions and emergency measures to protect the environment	6
5.4. Instructions for safe disposal of the product and its packaging	6
5.5. Conditions of storage and shelf-life of the product under normal conditions of storage	6
6. Other information	6

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	NO-2021-0207	
R4BP 3 asset reference number	NO-0026485-0000	
Date of the authorisation	07/06/2021	
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 HD2 1YU 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	Hovestr. 50 D - 20539 Hamburg Germany
Active substance	1452 - Penflufen
Name of the manufacturer	LANXESS Deutschland GmbH
Address of the manufacturer	Kennedyplatz 1 D-56569 Koln Germany
Location of manufacturing sites	Bayer AG, Alte Heerstr 50569 Dormagen Germany
Active substance	20 - DDACarbonate
Name of the manufacturer	Lonza Cologne GmbH
Address of the manufacturer	Nattermannallee 1 D-50829 Cologne Germany
Location of manufacturing sites	Lonza Inc., 8316 West Route 24 61547 Mapleton United States

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	3
Penflufen		Active Substance	494793-67-8		0,0375
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	0,75

2.2. Type of formulation

OL - Oil miscible liquid

3. Hazard and precautionary statements

Hazard statements

May be fatal if swallowed and enters airways.
Causes skin irritation.
Causes serious eye damage.
Very toxic to aquatic life.
Very toxic to aquatic life with long lasting effects.

Precautionary statements

Avoid release to the environment.
Wear protective clothing.
IF SWALLOWED: Immediately call a POISON CENTER.
IF ON SKIN: Wash with plenty of water.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Collect spillage.

4. Authorised use(s)

4.1 Use description

Use 1 - Industrial Use

Product type

PT08 - Wood preservatives (Preservatives)

Where relevant, an exact description of the authorised use

Pressure applied preventative treatment for industrial timbers.

Target organism(s) (including development stage)

Scientific name: Basidiomycetes:
Common name: Wood rotting basidiomycetes
Development stage: Hyphae

Scientific name: fungi
 Common name: Soft rot fungi
 Development stage: Hyphae

Scientific name: Isoptera:
 Common name: Termites
 Development stage: Adults

Scientific name: Coleoptera:
 Common name: Wood boring beetles
 Development stage: Larvae

Field(s) of use

Indoor

Outdoor

Use Class 3 (a 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).

Use Class 4 (situation in which the wood or wood-based product is in contact with the ground and permanently exposed to wetting)

Application method(s)

Method: Closed system: pressure process
 Detailed description:
 Vacuum Pressure Impregnation «Lowry Process» The process starts by loading the pressure treatment vessel with timber, close and secure the door. Under normal pressure, the treatment vessel is filled with Tanasote S40. A high pressure is then applied for several hours, forcing the solution into the timber, trapping/compressing the air inside the timber. At the end of the process, the pressure is reduced to normal, and the compressed air in the timber forces the excess liquid from the timber and the excess solution is drained off. Apply a final vacuum to remove any excess solution, so the timber can be removed from the chamber drip free. Aerate the vessel, before removing the treated timber. Place the treated timber on a hard storage surface area, protected from rain.

Application rate(s) and frequencies

Application Rate: 50.5kg/m3 -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

Pack sizes and packaging material

1. IBC (intermediate bulk container): IBC's are top fill with a screw lid. runoff is from the bottom. This is fitted with a locking valve and sealed.
 plastic: HDPE
 ca.1000 L

2. Stainless Steel Bulk Tanker (30 000 L)

4.1.1 Use-specific instructions for use

4.1.2 Use-specific 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

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

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

5. General directions for use

5.1. Instructions for use

TANASOTE® S40 is ready to use wood preservative containing copper hydroxide, Penflufen, and DDACarbonate which is applied to timber by vacuum pressure (Lowry process or Rueping cycle).

Please read and understand:

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

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). The IBC or tank containing the Tanasote S40 is connected directly to the treatment vessel. Following the Lowry process, the timber in the vessel should be treated to the predetermined retentions based on the desired use.

The retentions are expressed as kgm⁻³ as Tanasote S40 in the analytical zone. UC3: 50.5 kg/m³ – 100 kg/m³ UC3 (termite): 81.8 kg/m³ – 100 kg/m³ UC3 (railway sleepers, incl termites): 93.4 kg/m³ – 133 kg/m³; UC4 (incl termites): 93.4 kg/m³ – 133 kg/m³

Freshly treated timber should be placed on an impermeable hard standing with bunding to prevent run-off that could contaminate ground, waterbodies or watercourses. Any runoff from treated timber should be recovered for re-use.

5.2. Risk mitigation measures

N/A

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).

Inhalation Remove to fresh air. Call a physician or poison control center immediately. If breathing is difficult, give oxygen. If not breathing, give artificial respiration.

Skin contact Wash off immediately with plenty of water. Wash contaminated clothing before reuse. Remove and isolate contaminated clothing and shoes. Seek immediate medical attention/advice.

Eye contact Keep eye wide open while rinsing. Immediate medical attention is required. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Do not rub affected area.

Ingestion. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice immediately (show the label where possible).

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's should be returned to the manufacturer for recycling.

Do not dispose of any residue down the drain.

IBC's must not be re-used for drinking water or containing foodstuffs.

Tanasote S40 should be disposed of 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 of by a method approved by the local authority.

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

Tanasote S40 should be stored in the original container. The product has a shelf-life of 24 months.

6. Other information