

Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product Code 8001B_IRE
Product Name **Tanalith E 8001B**
Registration Number(s) PCS 99914

Contains (Copper (II) carbonate--copper(II) hydroxide (1:1)), 2-aminoethanol, Ethoxylated amine, Organic acid

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended Use Product-type 8: Wood preservatives

Uses advised against Consumer use

Reason why uses advised against Restricted to professional users

1.3. Details of the supplier of the safety data sheet

Authorization Holder:

Lonza Cologne GmbH, Nattermannallee 1, Cologne, 50829, Germany. Tel: + 49 221 99 1990

Manufacturer

Arch Timber Protection, Wheldon Road, Castleford, United Kingdom, WF10 2JT, Tel: +44 (0) 1977 714000

A Lonza Company

For further information, please contact

E-mail address timberprotectionadvice.ukca@lonza.com

1.4. Emergency telephone number

Emergency Telephone NCEC : +44 (0)1235 239 670

Emergency Telephone - §45 - (EC)1272/2008	
Europe	112
Ireland	Public Poisons Information Line: 01 809 2166

Section 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Acute toxicity - Inhalation (Dusts/Mists)	Category 4 - (H332)
Serious eye damage/eye irritation	Category 1 - (H318)
Specific target organ toxicity (single exposure)	Category 3 - (H335)
Acute aquatic toxicity	Category 1 - (H400)
Chronic aquatic toxicity	Category 1 - (H410)

2.2. Label elements

Contains (Copper (II) carbonate--copper(II) hydroxide (1:1)), 2-aminoethanol, Ethoxylated amine, Organic acid



Signal word
DANGER

Hazard statements

H318 - Causes serious eye damage
H332 - Harmful if inhaled
H335 - May cause respiratory irritation
H410 - Very toxic to aquatic life with long lasting effects

Contains Propiconazole
EUH208 - Contains (Propiconazole). May produce an allergic reaction

Precautionary Statements - EU (§28, 1272/2008)

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray
P271 - Use only outdoors or in a well-ventilated area
P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312 - Call a POISON CENTER or doctor if you feel unwell
P260 - Do not breathe dusts or mists
P264 - Wash face, hands and any exposed skin thoroughly after handling
P280 - Wear protective gloves/protective clothing/eye protection/face protection
P301 + P330 + P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting
P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P310 - Immediately call a POISON CENTER or doctor
P321 - Specific treatment (see supplemental first aid instructions on this label)
P363 - Wash contaminated clothing before reuse
P405 - Store locked up
P501 - Dispose of contents/ container to an approved waste disposal plant
P280 - Wear eye protection/ face protection
P403 + P233 - Store in a well-ventilated place. Keep container tightly closed
P273 - Avoid release to the environment
P391 - Collect spillage

2.3. Other hazards

No information available

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable

3.2 Mixtures**Chemical nature**

Mixture.

Chemical Name	EC No	CAS No.	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH Registration Number
2-aminoethanol	205-483-3	141-43-5	10-30	Acute Tox. 4 (H302) Acute Tox. 4 (H312) Acute Tox. 4 (H332) Skin Corr. 1B (H314) STOT SE 3 (H335)	No data available
(Copper (II) carbonate--copper(II) hydroxide (1:1))	235-113-6	12069-69-1	10-30	Acute Tox. 4 (H302) Eye Irrit. 2 (H319) Acute Tox. 4 (H332) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	01-2119513711-50
Ethoxylated amine	Listed	-	1-5	Acute Tox. 4 (H302) Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Aquatic acute 1 (H400) Aquatic chronic 1 (H410)	No data available
Organic acid	Listed	-	1-5	Eye Irrit. 2 (H319)	No data available
Reaction mass of: N,N-Didecyl-N,N-dimethylammonium Carbonate; and N,N-Didecyl-N,N-dimethylammonium Bicarbonate	451-900-9	894406-76-9	0.1-1	Acute Tox. 3 (H301) Skin Corr. 1B (H314) Eye Dam. 1 (H318) Aquatic Acute 1 (H400) Aquatic Chronic 2 (H411)	Nie dotyczy
Didecylidimethylammonium chloride	230-525-2	7173-51-5	0.1-1	Acute Tox. 4 (H302) Skin Corr. 1B (H314)	No data available
Propiconazole	262-104-4	60207-90-1	0.1-1	Acute Tox. 4 (H302) Skin Sens. 1 (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	No data available
Dipropylene glycol methyl ether	252-104-2	34590-94-8	0.1-1	Not classified	Nie dotyczy
Tebuconazole	403-640-2	107534-96-3	0.1-1	Acute Tox. 4 (H302) Repr. 2 (H361d) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	No data available
Diamine	Listed	-	<0.1	Acute Tox. 3 (H301) Skin Corr. 1B (H314) Eye Dam. 1 (H318) STOT RE 2 (H373) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	No data available

Full text of H- and EUH-phrases: see section 16**Section 4: FIRST AID MEASURES****4.1. Description of first aid measures****General advice**

Immediate medical attention is required.

Inhalation

Remove to fresh air. Call a doctor or poison control centre 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. Immediate medical attention is required.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms See Section 11: TOXICOLOGICAL INFORMATION.

4.3. Indication of any immediate medical attention and special treatment needed

Note to doctors Treat symptomatically.

Section 5: FIRE FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Carbon dioxide (CO₂). Water spray or fog.

Unsuitable extinguishing media

Do not use a solid water stream as it may scatter and spread fire

5.2. Special hazards arising from the substance or mixture

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water Do not allow run-off from fire-fighting to enter drains or water courses

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

Ensure adequate ventilation, especially in confined areas.

For emergency responders

Use personal protection recommended in Section 8.

6.2. Environmental precautions

Do not allow into any sewer, on the ground or into any body of water. Local authorities should be advised if significant spillages cannot be contained. Prevent further leakage or spillage if safe to do so.

6.3. Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Prevent product from entering drains. Dam up. Take up mechanically, placing in appropriate containers for disposal.

6.4. Reference to other sections

See Section 7, 8 and 13 for more information.

Section 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Advice on safe handling

Ensure adequate ventilation, especially in confined areas.

General Hygiene Considerations

Keep away from food, drink and animal feedingstuffs. When using do not eat, drink or smoke. Wear suitable gloves and eye/face protection. Take off all contaminated clothing and wash it before re-use. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep container tightly closed in a dry and well-ventilated place. Keep/store only in original container. Keep at temperatures between <5 and <25 °C.

Incompatible materials

Incompatible with strong acids and bases. Incompatible with oxidising agents.

7.3. Specific end use(s)

Specific use(s)

Timber preservative for dilution in water and application in industrial vacuum pressure plant

Risk Management Methods (RMM)

The information required is contained in this Material Safety Data Sheet.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Chemical Name	European Union	United Kingdom	France	Spain	Germany
2-aminoethanol 141-43-5	TWA: 1 ppm TWA: 2.5 mg/m ³ *	TWA: 1 ppm TWA: 2.5 mg/m ³ STEL: 3 ppm STEL: 7.6 mg/m ³ Sk*	TWA: 1 ppm TWA: 2.5 mg/m ³ STEL: 3 ppm STEL: 7.6 mg/m ³ *	TWA: 1 ppm TWA: 2.5 mg/m ³ STEL: 3 ppm STEL: 7.5 mg/m ³ via dérmica*	TWA: 2 ppm TWA: 5.1 mg/m ³ H*
Dipropylene glycol methyl ether 34590-94-8	TWA 50 ppm TWA 308 mg/m ³ *	TWA: 50 ppm TWA: 308 mg/m ³ STEL: 150 ppm STEL: 924 mg/m ³ Sk*	TWA: 50 ppm TWA: 308 mg/m ³ *	TWA: 50 ppm TWA: 308 mg/m ³ via dérmica*	STM: 300 mg/m ³ MAK: 300 mg/m ³ TWA: 50 ppm TWA: 310 mg/m ³
Chemical Name	Italy	Portugal	Netherlands	Finland	Denmark
2-aminoethanol 141-43-5	TWA: 1 ppm TWA: 2.5 mg/m ³ STEL: 3 ppm STEL: 7.6 mg/m ³	TWA: 1 ppm TWA: 2.5 mg/m ³ STEL: 3 ppm STEL: 7.6 mg/m ³	TWA: 2.5 mg/m ³ STEL: 7.6 mg/m ³ H*	TWA: 1 ppm TWA: 2.5 mg/m ³ STEL: 3 ppm STEL: 7.6 mg/m ³	TWA: 1 ppm TWA: 2.5 mg/m ³ H*

	pelle*	P*		iho*	
(Copper (II) carbonate--copper(II) hydroxide (1:1)) 12069-69-1	-	-	-	TWA: 1 mg/m ³	-
Dipropylene glycol methyl ether 34590-94-8	TWA: 50 ppm TWA: 308 mg/m ³ pelle*	TWA: 50 ppm TWA: 308 mg/m ³ STEL: 150 ppm P*	TWA: 300 mg/m ³	TWA: 50 ppm TWA: 310 mg/m ³ iho*	TWA: 50 ppm TWA: 309 mg/m ³ H*
Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
2-aminoethanol 141-43-5	TWA: 1 ppm TWA: 2.5 mg/m ³ STEL 3 ppm STEL 7.6 mg/m ³ H*	TWA: 2 ppm TWA: 5 mg/m ³ STEL: 4 ppm STEL: 10 mg/m ³	STEL: 7.5 mg/m ³ TWA: 2.5 mg/m ³	TWA: 1 ppm TWA: 2.5 mg/m ³ STEL: 2 ppm STEL: 5 mg/m ³ H*	TWA: 1 ppm TWA: 2.5 mg/m ³ STEL: 3 ppm STEL: 7.6 mg/m ³ Sk*
(Copper (II) carbonate--copper(II) hydroxide (1:1)) 12069-69-1	TWA: 1 mg/m ³ TWA: 0.1 mg/m ³ STEL 4 mg/m ³ STEL 0.4 mg/m ³	-	-	-	-
Dipropylene glycol methyl ether 34590-94-8	TWA: 50 ppm TWA: 307 mg/m ³ STEL 100 ppm STEL 614 mg/m ³ H*	TWA: 50 ppm TWA: 300 mg/m ³ STEL: 50 ppm STEL: 300 mg/m ³	STEL: 480 mg/m ³ TWA: 240 mg/m ³	TWA: 50 ppm TWA: 300 mg/m ³ STEL: 75 ppm STEL: 375 mg/m ³ H*	TWA: 50 ppm TWA: 308 mg/m ³ STEL: 150 ppm STEL: 924 mg/m ³ Sk*
Chemical Name	Belgium	Bulgaria	Croatia	Czech Republic	Estonia
2-aminoethanol 141-43-5		STEL: 3 ppm STEL: 7.6 mg/m ³ TWA: 1 ppm TWA: 2.5 mg/m ³ K*	TWA: 1 ppm TWA: 2.5 mg/m ³ STEL: 3 ppm STEL: 7.6 mg/m ³ K*	TWA: 2.5 mg/m ³ Ceiling: 7.5 mg/m ³ D*	TWA: 1 ppm TWA: 2.5 mg/m ³ STEL: 3 ppm STEL: 7.6 mg/m ³ A*
Dipropylene glycol methyl ether 34590-94-8		TWA: 50 ppm TWA: 308.0 mg/m ³ K*	TWA: 50 ppm TWA: 308 mg/m ³ K*	TWA: 270 mg/m ³ Ceiling: 550 mg/m ³ D*	TWA: 50 ppm TWA: 308 mg/m ³ A*
Chemical Name	Greece	Hungary	Latvia	Lithuania	Romania
2-aminoethanol 141-43-5		TWA: 2.5 mg/m ³ STEL: 7.6 mg/m ³ b*	TWA: 0.2 ppm TWA: 0.5 mg/m ³ STEL: 3 ppm STEL: 7.6 mg/m ³ *		TWA: 1 ppm TWA: 2.5 mg/m ³ STEL: 3 ppm STEL: 7.6 mg/m ³ P*
(Copper (II) carbonate--copper(II) hydroxide (1:1)) 12069-69-1		STEL: 4 mg/m ³	TWA: 0.5 mg/m ³		
Dipropylene glycol methyl ether 34590-94-8		TWA: 308 mg/m ³ STEL: 308 mg/m ³	TWA: 50 ppm TWA: 308 mg/m ³ *		TWA: 50 ppm TWA: 308 mg/m ³ P*
Chemical Name	Slovakia	Slovenia	Sweden	Russia	Turkey
2-aminoethanol 141-43-5	TWA: 1 ppm TWA: 2.5 mg/m ³ K*	TWA: 1 ppm TWA: 2.5 mg/m ³ STEL: STEL ppm STEL: STEL mg/m ³ K*		MAC: 0.5 mg/m ³ Skin	
(Copper (II) carbonate--copper(II) hydroxide (1:1)) 12069-69-1		TWA: 1 mg/m ³ STEL: STEL mg/m ³			
Didecyldimethylammonium chloride 7173-51-5				MAC: 1 mg/m ³ Skin	
Dipropylene glycol methyl ether 34590-94-8	TWA: 50 ppm TWA: 308 mg/m ³ K*	TWA: 50 ppm TWA: 308 mg/m ³ K*			
Diamine				MAC: 1 mg/m ³	

				Skin	
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Derived No Effect Level (DNEL) No information available.

Predicted No Effect Concentration (PNEC) No information available.

8.2. Exposure controls

Engineering Controls Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Eye/face protection

Wear safety glasses with side shields (or goggles).

Hand Protection

Wear protective gloves. Wear protective nitrile rubber gloves. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other.

The break through time depends amongst other things on the material, the thickness and the type of glove and therefore has to be measured for each case.

Gloves must be inspected prior to use.

Replace when worn. The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other.

The break through time depends amongst other things on the material, the thickness and the type of glove and therefore has to be measured for each case.

Gloves must be inspected prior to use.

Replace when worn.

Break through time. > 480 (min)

Glove thickness. > 1,12 (mm).

Skin and body protection

Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Environmental exposure controls Local authorities should be advised if significant spillages cannot be contained. Do not allow into any sewer, on the ground or into any body of water. Prevent product from entering drains.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state	Liquid	Odour	Ammonia
Appearance	Liquid		
Colour	blue		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	10.91	@ 20 °C
Melting point / freezing point	Not determined	
Boiling point / boiling range	Not determined	
Flash point		
Evaporation rate	Not determined	
Flammability (solid, gas)	Not determined	
Flammability Limit in Air		
Upper flammability limit:	Not determined	
Lower flammability limit	Not determined	
Vapour pressure	Not determined	
Vapour density	Not Determined	
Relative density	Not determined	

Water solubility	completely soluble	
Solubility(ies)	Not determined	
Partition coefficient	Not determined	
Autoignition temperature	Not determined	
Decomposition temperature	Not determined	
Kinematic viscosity	Not determined	
Dynamic viscosity	40 mPa s	@ 5 °C
Explosive properties	Not an explosive	
Oxidising properties	Not applicable	

9.2. Other information

Density 1.184 g/cm³

Section 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

Stable under normal conditions.

Explosion data

Sensitivity to Mechanical Impact Warning.

Sensitivity to Static Discharge Warning.

10.3. Possibility of hazardous reactions**Possibility of Hazardous Reactions**

None under normal processing.

10.4. Conditions to avoid

Keep from freezing.

10.5. Incompatible materials

Incompatible with strong acids and bases. Incompatible with oxidising agents.

10.6. Hazardous decomposition products

None under normal use conditions.

Section 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects**Acute toxicity****Product Information**

Inhalation	Harmful by inhalation. May cause irritation of respiratory tract. Avoid breathing dust or spray mist.
Eye contact	Causes serious eye damage. Avoid contact with eyes.
Skin contact	Avoid contact with skin.
Ingestion	Harmful if swallowed. Do not taste or swallow.

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)	2 311.20
ATEmix (dermal)	2 992.60
ATEmix (inhalation-dust/mist)	4.78

Actual Product Data

Dermal LD50 > 4000 mg/kg (rat)

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
2-aminoethanol	1515 mg/kg (RT)	2504 mg/kg (RBT)	-
(Copper (II) carbonate--copper(II) hydroxide (1:1))	= 1350 mg/kg (RT)	>2000 mg/kg (RT)	1.03 - 5.2 mg/L (RT) 4h
Ethoxylated amine	>300 mg/kg (RT)	-	-
Organic acid	3500 mg/kg (RT)	>20000 mg/kg (RBT)	-
Reaction mass of: N,N-Didecyl-N,N-dimethylammonium Carbonate; and N,N-Didecyl-N,N-dimethylammonium Bicarbonate	245 mg/kg (RT)	>2000 mg/kg (RBT)	-
Didecyl-dimethylammonium chloride	= 328 mg/kg (RT)	= 3342 mg/kg (RBT)	-
Propiconazole	500 mg/kg (RT)	> 2000 mg/kg (RBT)	>6.639 mg/L (RT) 4h
Dipropylene glycol methyl ether	>5000 mg/kg (RT)	19020 mg/kg (RBT)	-
Tebuconazole	>1700 mg/kg (RT)	> 2000 mg/kg (RT)	> 5.0 mg/L (RT) 4h
Diamine	261 mg/kg (RT)	>600 mg/kg (RT)	-

Note:
RT = Rat
RBT = Rabbit
MSE = Mouse
GP = Guinea Pig
V = Vapour

Skin corrosion/irritation	Not classified.
Serious eye damage/eye irritation	Risk of serious damage to eyes.
Sensitisation	Not classified.
Germ cell mutagenicity	Not classified.
Carcinogenicity	Not classified.
Reproductive toxicity	Not classified.
STOT - single exposure	May cause disorder and damage to the. Respiratory system.
STOT - repeated exposure	Not classified.
Aspiration hazard	Not classified.

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Note:

LC50: Lethal Concentration to 50% of a test population (Median Lethal Concentration)

LD50: Lethal Dose to 50% of a test population (Median Lethal Dose).

Chemical Name	Algae/aquatic plants	Fish	Crustacea
2-aminoethanol	2.8 mg/L EC50 72h (Pseudokirchneriella subcapitata)	349 mg/L LC50 96h (Cyprinus carpio)	65 mg/L EC50 48h (Daphnia magna)
(Copper (II) carbonate--copper(II) hydroxide (1:1))	0.043 mg/L EC50 96h (Desmodesmus suspicatus)	0.087 mg/L LC50 96h (Oncorhynchus mykiss)	0.042 mg/L EC50 48h (Daphnia magna)
Ethoxylated amine	>1 mg/L EC50 72h (Desmodesmus suspicatus)	>0.1 mg/L LC50 96h (Danio rerio)	>1 mg/L EC50 48h (Daphnia magna)
Organic acid	>100 mg/L EC50 72h (Pseudokirchnerella subcapitata)	>100 mg/L LC50 96h (Danio rerio)	240 mg/L EC50 48h (Daphnia magna)
Reaction mass of: N,N-Didecyl-N,N-dimethylammonium Carbonate; and N,N-Didecyl-N,N-dimethylammonium Bicarbonate	0.0152 mg/L EC50 72h (Desmodesmus suspicatus)	0.28 mg/L LC50 96h (Lepomis macrochirus)	0.066 mg/L EC50 48h (Daphnia magna)
Didecyldimethylammonium chloride	=0.026 mg/L EC50 96h (Selenastrum capricornutum)	=0.19 mg/L LC50 96h (Pimephales promelas)	= 0.062 mg/l EC50 48h (Daphnia magna)
Propiconazole	0.02 - 13.6 mg/l for three freshwater algae	5.3 mg/L LC50 96h (Rainbow trout)	4.8 mg/L EC50 48h (Daphnia magna)
Dipropylene glycol methyl ether	>969 mg/L EC50 72h (Pseudokirchneriella subcapitata)	>1000 mg/L LC50 96h (Poecilia reticulata)	1919 mg/L EC50 48h (Daphnia magna)
Tebuconazole	3.8 mg/L EC50 72h (Pseudokirchneriella subcapitata)	4.4 mg/L LC50 48h (Oncorhynchus mykiss)	2.79 mg/L EC50 48h (Daphnia magna)
Diamine	0.01 mg/L ECb50 72h (Pseudokirchneriella subcapitata)	0.431 mg/L LC50 96h (Danio rerio)	0.077 mg/L EC50 48h (Daphnia magna)

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

Chemical Name	Partition coefficient
2-aminoethanol	-1.91
Dipropylene glycol methyl ether	-0.064

12.4. Mobility in soil

Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

This preparation contains no substance considered to be persistent, bio-accumulating nor toxic (PBT).
This preparation contains no substance considered to be very persistent nor very bio-accumulating (vPvB).

12.6. Other adverse effects

No information available

Section 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste from residues/unused products Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging Improper disposal or reuse of this container may be dangerous and illegal.

Section 14: TRANSPORT INFORMATION

IMDG

14.1 UN/ID no UN3082
 14.2 Proper shipping name Environmentally hazardous substances, liquid, n.o.s.
 14.3 Hazard Class 9
 14.4 Packing Group III
 Description UN3082 Environmentally hazardous substances, liquid, n.o.s.(Copper (II) hydroxide), 9, III
 14.5 Marine pollutant This material meets the definition of a marine pollutant
 Environmental hazard Yes
 14.6 Special Provisions 274, 335
 EmS-No F-A, S-F
 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code No information available

RID

14.1 UN/ID no UN3082
 14.2 Proper shipping name Environmentally hazardous substances, liquid, n.o.s.
 14.3 Hazard Class 9
 Labels 9
 14.4 Packing Group III
 Description UN3082, Environmentally hazardous substances, liquid, n.o.s.(Copper (II) hydroxide), 9, III
 14.5 Environmental hazard Yes
 14.6 Special Provisions 274, 335, 601, 375
 Classification code M6

ADR

14.1 UN/ID no UN3082
 14.2 Proper shipping name Environmentally hazardous substances, liquid, n.o.s.
 14.3 Hazard Class 9
 Labels 9
 14.4 Packing Group III
 Description UN3082, Environmentally hazardous substances, liquid, n.o.s.(Copper (II) hydroxide), 9, III
 14.5 Environmental hazard Yes
 14.6 Special Provisions 274, 335, 601, 375
 Classification code M6
 Tunnel restriction code (-)

IATA

14.1 UN/ID no UN3082
 14.2 Proper shipping name Environmentally hazardous substances, liquid, n.o.s.
 14.3 Hazard Class 9
 14.4 Packing Group III
 Description UN3082, Environmentally hazardous substances, liquid, n.o.s.(Copper (II) hydroxide), 9, III
 14.5 Environmental hazard Yes
 14.6 Special Provisions A3, A803
 ERG Code 9L

Section 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations

Chemical Name	French RG number	Title
2-aminoethanol 141-43-5	RG 49, RG 49bis	-
Dipropylene glycol methyl ether 34590-94-8	RG 84	-

Water hazard class (WGK) Water endangering class = 3 (self classification)

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Authorisations and/or restrictions on use:

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Persistent Organic Pollutants

Not applicable

Chemical Name	European Export/Import Restrictions per (EC) 689/2008 - Annex Number
Didecyltrimethylammonium chloride - 7173-51-5	I.1

Ozone-depleting substances (ODS) regulation (EC) 1005/2009 Not applicable

15.2. Chemical safety assessment

No information available

Section 16: OTHER INFORMATION

Key or legend to abbreviations and acronyms used in the safety data sheet

Full text of H-Statements referred to under section 3

H225 - Highly flammable liquid and vapour
H301 - Toxic if swallowed
H302 - Harmful if swallowed
H311 - Toxic in contact with skin
H312 - Harmful in contact with skin
H314 - Causes severe skin burns and eye damage
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H318 - Causes serious eye damage
H319 - Causes serious eye irritation

H331 - Toxic if inhaled
 H332 - Harmful if inhaled
 H335 - May cause respiratory irritation
 H360D - May damage the unborn child
 H361d - Suspected of damaging the unborn child
 H370 - Causes damage to organs
 H373 - May cause damage to organs through prolonged or repeated exposure
 H400 - Very toxic to aquatic life
 H410 - Very toxic to aquatic life with long lasting effects
 H411 - Toxic to aquatic life with long lasting effects

Legend

SVHC: Substances of Very High Concern for Authorisation:

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

Issue Date 14-Nov-2019

Revision Date 19-Feb-2019

Revision Note Not applicable.

Further information The information contained in this safety data sheet is deemed sufficient to allow the user to take all necessary operational control and risk mitigation measures to allow safe use of the product.
 In the event of any further questions regarding use conditions for this product please contact the address in section 1.

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet