

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

1.1. Product identifier

Product Code S40_EU
Product Name **Tanasote® S40**
UFI: 7T10-T08J-900J-Q4T1

Contains Organic acid, Copper (II) hydroxide

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

Recommended Use 528/2012 : 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

Manufacturer

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

For further information, please contact

E-mail address timberprotectionadvice.ukca@arxada.com

1.4. Emergency telephone number

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

Emergency Telephone - §45 - (EC)1272/2008

Europe | 112

Section 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Skin corrosion/irritation	Category 2 - (H315)
Serious eye damage/eye irritation	Category 1 - (H318)
Acute aquatic toxicity	Category 1 - (H400)
Chronic aquatic toxicity	Category 1 - (H410)

2.2. Label elements

Contains Organic acid, Copper (II) hydroxide



Signal word
DANGER

Hazard statements

H315 - Causes skin irritation
H318 - Causes serious eye damage
H410 - Very toxic to aquatic life with long lasting effects

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

P264 - Wash hands thoroughly after handling
P273 - Avoid release to the environment
P280 - Wear protective gloves and eye/face protection
P302 + P352 - IF ON SKIN: Wash with plenty of water and soap
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/physician
P332 + P313 - If skin irritation occurs: Get medical advice/attention
P362 - Take off contaminated clothing and wash before reuse
P501 - Dispose of contents/ container to an approved waste disposal plant
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

Product-type 8: Wood preservatives. Mixture.

Chemical Name	EC No	CAS No.	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH Registration Number
Carrier oil	Listed	-	60-100	Not classified	No data available
Organic acid	Listed	-	5-10	Skin Corr. 1B (H314)	No data available
Copper (II) hydroxide	243-815-9	20427-59-2	1-5	Acute Tox. 4 (H302) Acute Tox. 2 (H330) Eye Dam. 1 (H318) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	No data available
Paraffin waxes and	232-315-6	8002-74-2	0.1-1	Not classified	No data available

Hydrocarbon waxes					
Reaction mass of: N,N-Didecyl-N,N-dimethylamm onium Carbonate; and N,N-Didecyl-N,N-dimethylamm onium 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)	No data available
Propane-1,2-diol	200-338-0	57-55-6	0.1-1	Not classified	No data available
Penflufen	619-823-7	494793-67-8	<0.1	Carc. 2 (H351) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	No data available
Methyl alcohol, Methanol	200-659-6	67-56-1	<0.1	Acute Tox. 3 (H301) Acute Tox. 3 (H311) Acute Tox. 3 (H331) STOT SE 1 (H370) Flam. Liq. 2 (H225)	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	In case of accident or being unwell, seek medical advice immediately (show directions for use or safety data sheet if possible).
Inhalation	(Get medical attention immediately if symptoms occur.)
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.

Prevention of secondary hazards

Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

See Sections 8, 11, 12, 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

Protect from frost. Keep container tightly closed in a dry and well-ventilated place. Keep/store only in original container.

Incompatible materials

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

7.3. Specific end use(s)

Specific use(s)

Product-type 8: Wood preservatives

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
Paraffin waxes and Hydrocarbon waxes 8002-74-2	-	TWA: 2 mg/m ³ STEL: 6 mg/m ³	TWA: 2 mg/m ³	TWA: 2 mg/m ³	-
Propane-1,2-diol 57-55-6	-	TWA: 150 ppm TWA: 474 mg/m ³ TWA: 10 mg/m ³ STEL: 450 ppm STEL: 1422 mg/m ³ STEL: 30 mg/m ³	-	-	-
Methyl alcohol, Methanol 67-56-1	TWA: 200 ppm TWA: 260 mg/m ³ *	TWA: 200 ppm TWA: 266 mg/m ³ STEL: 250 ppm STEL: 333 mg/m ³ Sk*	TWA: 200 ppm TWA: 260 mg/m ³ STEL: 1000 ppm STEL: 1300 mg/m ³ *	TWA: 200 ppm TWA: 266 mg/m ³ vía dérmica*	TWA: 200 ppm TWA: 270 mg/m ³ H*
Chemical Name	Italy	Portugal	Netherlands	Finland	Denmark
Copper (II) hydroxide 20427-59-2	-	-	-	TWA: 1 mg/m ³	-
Paraffin waxes and Hydrocarbon waxes 8002-74-2	-	TWA: 2 mg/m ³	-	TWA: 1 mg/m ³	TWA: 2 mg/m ³
Methyl alcohol, Methanol 67-56-1	TWA: 200 ppm TWA: 260 mg/m ³ pelle*	TWA: 200 ppm TWA: 260 mg/m ³ STEL: 250 ppm P*	TWA: 133 mg/m ³ TWA: 100 ppm H*	TWA: 200 ppm TWA: 270 mg/m ³ STEL: 250 ppm STEL: 330 mg/m ³ iho*	TWA: 200 ppm TWA: 260 mg/m ³ H*
Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
Copper (II) hydroxide 20427-59-2	TWA: 1 mg/m ³ TWA: 0.1 mg/m ³ STEL 4 mg/m ³ STEL 0.4 mg/m ³	TWA: 0.1 mg/m ³ STEL: 0.2 mg/m ³	TWA: 0.2 mg/m ³	-	-
Paraffin waxes and Hydrocarbon waxes 8002-74-2	-	TWA: 2 mg/m ³ MAK 1: 200 mg/m ³	TWA: 2 mg/m ³	TWA: 2 mg/m ³ STEL: 4 mg/m ³	TWA: 2 mg/m ³ STEL: 6 mg/m ³
Propane-1,2-diol 57-55-6	-	-	-	TWA: 25 ppm TWA: 79 mg/m ³ STEL: 37.5 ppm STEL: 118.5 mg/m ³	TWA: 150 ppm TWA: 470 mg/m ³ TWA: 10 mg/m ³ STEL: 450 ppm STEL: 1410 mg/m ³ STEL: 30 mg/m ³
Methyl alcohol, Methanol 67-56-1	TWA: 200 ppm TWA: 260 mg/m ³ STEL 800 ppm STEL 1040 mg/m ³ H*	TWA: 200 ppm TWA: 260 mg/m ³ STEL: 800 ppm STEL: 1040 mg/m ³ H* MAK-1: 200 ppm MAK-2: 260 mg/m ³ BAT: 30mg/l (936	STEL: 300 mg/m ³ TWA: 100 mg/m ³	TWA: 100 ppm TWA: 130 mg/m ³ STEL: 125 ppm STEL: 162.5 mg/m ³ H*	TWA: 200 ppm TWA: 260 mg/m ³ STEL: 600 ppm STEL: 780 mg/m ³ Sk*

		umol/l)			
Chemical Name	Belgium	Bulgaria	Croatia	Czech Republic	Estonia
Copper (II) hydroxide 20427-59-2		TWA: 0.1 mg/m ³ TWA: 1.0 mg/m ³			TWA: 1 mg/m ³ TWA: 0.2 mg/m ³
Paraffin waxes and Hydrocarbon waxes 8002-74-2			TWA: 2 mg/m ³ STEL: 6 mg/m ³		TWA: 2 mg/m ³
Propane-1,2-diol 57-55-6			TWA: 150 ppm TWA: 474 mg/m ³ TWA: 10 mg/m ³		
Methyl alcohol, Methanol 67-56-1		TWA: 200 ppm TWA: 260.0 mg/m ³ K*	TWA: 200 ppm TWA: 260 mg/m ³ K*	TWA: 250 mg/m ³ Ceiling: 1000 mg/m ³ D*	TWA: 200 ppm TWA: 260 mg/m ³ STEL: 250 ppm STEL: 350 mg/m ³ A*
Chemical Name	Greece	Hungary	Latvia	Lithuania	Romania
Copper (II) hydroxide 20427-59-2		STEL: 4 mg/m ³			
Paraffin waxes and Hydrocarbon waxes 8002-74-2					TWA: 2 mg/m ³ STEL: 6 mg/m ³
Propane-1,2-diol 57-55-6			TWA: 7 mg/m ³		
Methyl alcohol, Methanol 67-56-1		TWA: 260 mg/m ³ b*	TWA: 200 ppm TWA: 260 mg/m ³ *		TWA: 200 ppm TWA: 260 mg/m ³ P*
Chemical Name	Slovakia	Slovenia	Sweden	Russia	Turkey
Copper (II) hydroxide 20427-59-2		TWA: 1 mg/m ³ STEL: STEL mg/m ³			
Propane-1,2-diol 57-55-6				MAC: 7 mg/m ³	
Methyl alcohol, Methanol 67-56-1	TWA: 200 ppm TWA: 260 mg/m ³ K*	TWA: 200 ppm TWA: 260 mg/m ³ K*		TWA: 5 mg/m ³ STEL: 15 mg/m ³ Skin	

Chemical Name	European Union	United Kingdom	France	Spain	Germany
Methyl alcohol, Methanol 67-56-1	-	-	-	15	30 mg/L
Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
Methyl alcohol, Methanol 67-56-1	-	30	-	-	-

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. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves.

Skin and body protection

Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact. coveralls (type 6 according to EN13034) must be worn.

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	-		
Appearance	Liquid	Odour	No information available
Colour	dark green		
Property	Values	Remarks • Method	
pH	5.52	@ 25 °C	
Melting point / freezing point	Not determined		
Boiling point / boiling range	Not determined		
Flash point	158.5 °C		
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	0.0000001	Pa @ 20 °C	
Vapour density	Not Determined		
Relative density	Not determined		
Water solubility	Not determined		
Solubility(ies)	Not determined		
Partition coefficient	Not determined		
Autoignition temperature	268 ± 5 °C		
Decomposition temperature	Not determined		
Kinematic viscosity	21.1 mm ² /s	@ 40 °C	
Dynamic viscosity			
Explosive properties	Not an explosive		
Oxidising properties	Not applicable		

9.2. Other information

Density 920 kg/m³ @ 20.0°C

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 No information available.

Sensitivity to Static Discharge No information available.

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	Avoid breathing vapours or mists.
Eye contact	Risk of serious damage to eyes. Avoid contact with eyes.
Skin contact	May cause irritation. Avoid contact with skin.
Ingestion	Do not taste or swallow.

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

ATEmix (oral)	2 851.20
ATEmix (dermal)	2 121.60
ATEmix (inhalation-dust/mist)	9.76

Actual Product Data

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Carrier oil	>5000 mg/kg (RT)	>2000 mg/kg (RBT)	-
Organic acid	> 2000 mg/kg (RT)	> 2000 mg/kg (RBT)	-
Copper (II) hydroxide	451 mg/kg (RT)	> 2000 mg/kg (RT)	0.451 mg/L (RT) 4h
Paraffin waxes and Hydrocarbon waxes	> 5000 mg/kg (RT)	> 2000 mg/kg (RT)	-
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)	-
Propane-1,2-diol	22000 mg/kg (RT)	> 2000 mg/kg (RBT)	317 mg/L (RBT) 2h
Penflufen	>2000 mg/kg (RT)	>2000 mg/kg (RT)	-
Methyl alcohol, Methanol	>1187 mg/kg (RT)	-	-

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

Skin corrosion/irritation Irritating to skin. Actual Product Data.

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	Not classified.
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
Carrier oil	>100 mg/L EC50 72h (Pseudokirchneriella subcapitata)	>100 mg/L LC50 96h (Pimephales promelas)	>10000 mg/L EC50 48h (Daphnia magna)
Organic acid	23.28 mg/L EC50 72h (Pseudokirchnerella subcapitata)	16 mg/L LC50 96h (Oryzias latipes)	>20 mg/l EC50 48h (Daphnia magna)
Copper (II) hydroxide	-	0.038 - 0.2 mg/L LC50 96h (Pimephales promelas)	-
Paraffin waxes and Hydrocarbon waxes	>100 mg/L EC50 72h (Pseudokirchneriella subcapitata)	>100 mg/L LC50 96h (Pimephales promelas)	>10000 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)
Propane-1,2-diol	19000 mg/L EC50 96h (Pseudokirchneriella subcapitata)	40613 mg/L LC50 96h (Oncorhynchus mykiss)	18340 mg/L EC50 48h (Ceriodaphnia dubia)
Penflufen	>5.1 mg/L EC50 72h (Pseudokirchneriella subcapitata)	0.130 mg/L LC50 96h (Cyprinus carpio)	>4.66 mg/L EC50 48h (Daphnia magna)
Methyl alcohol, Methanol	22000 mg/L EC50 96h (Pseudokirchneriella subcapitata)	12700 mg/L LC50 96h (Lepomis macrochirus)	18260 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
Methyl alcohol, Methanol	-0.77

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
 ERG Code 9L

Section 15: REGULATORY INFORMATION

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

National regulations

France

Chemical Name	French RG number	Title
Paraffin waxes and Hydrocarbon waxes 8002-74-2	RG 36	-
Propane-1,2-diol 57-55-6	RG 84	-
Methyl alcohol, Methanol 67-56-1	RG 84	-

Germany

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

Named dangerous substances per Seveso Directive (2012/18/EU)

Chemical Name	Lower-tier requirements (tons)	Upper-tier requirements (tons)
Methyl alcohol, Methanol - 67-56-1	500	5000

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
 H314 - Causes severe skin burns and eye damage
 H318 - Causes serious eye damage
 H330 - Fatal if inhaled
 H331 - Toxic if inhaled
 H370 - Causes damage to organs
 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 10-Nov-2021

Revision Date 18-Dec-2017

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

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End of Safety Data Sheet