

This safety data sheet complies with the requirements of:  
Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Print Date 17-Oct-2022

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Version 2

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Product Code S40\_EU  
Product Name **Tanasote® S40**

Unique Formula Identifier (UFI) 7T10-T08J-900J-Q4T1

### 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 and industrial 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

<b>Emergency Telephone</b>	
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 C8-C10 fatty acid, Copper (II) hydroxide, Reaction mass of: N,N-Didecyl-N,N-dimethylammonium Carbonate; and N,N-Didecyl-N,N-dimethylammonium Bicarbonate, Penflufen

**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**

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 soap and water

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 + P364 - Take off contaminated clothing and wash it 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****Chemical nature**

Mixture.

Chemical name	EC No	CAS No	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH registration number	Specific concentration limit (SCL)
Carrier oil	Listed	-	60-100	Asp. Tox. 1 (H304) Note: L	-	-
C8-C10 fatty acid	273-086-2	68937-75-7	5-10	Skin Corr. 1B (H314)	-	-
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) M = 10 Aquatic Chronic 1	-	-

				(H410) M (Chronic) = 10		
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) M =10 Aquatic Chronic 2 (H411) M (Chronic) = 1	-	-
Penflufen	619-823-7	494793-67-8	<0.1	Carc. 2 (H351) Aquatic Acute 1 (H400) (M-factor 1) Aquatic Chronic 1 (H410) (M-factor 1)	-	-

**Full text of H- and EUH-phrases: see section 16**Acute Toxicity Estimate

Chemical name	Oral LD50 mg/kg	Dermal LD50 mg/kg	Inhalation LC50 - 4 hour - dust/mist - mg/L	Inhalation LC50 - 4 hour - vapour - mg/L
Copper (II) hydroxide 20427-59-2	500 mg/kg (ATE)		0.47 mg/L (ATE)	

**Additional information**

Note L : The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3 % DMSO extract as measured by IP 346 "Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions - Dimethyl sulphoxide extraction refractive index method", Institute of Petroleum, London. This note applies only to certain complex oil-derived substances in Part 3

**SECTION 4: First aid measures****4.1. Description of first aid measures**

<b>General advice</b>	In case of accident or being unwell, seek medical advice immediately (show directions for use or safety data sheet if possible).
<b>Inhalation</b>	(Get medical attention immediately if symptoms occur.)
<b>Eye contact</b>	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 CENTRE or doctor.
<b>Skin contact</b>	Take off all contaminated clothing and wash it before reuse. Wash with soap and water. (Get medical attention immediately if symptoms occur.)
<b>Ingestion</b>	IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. Give something to drink, if exposed person is able to swallow. Call a doctor or poison control centre immediately.

**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: Firefighting measures

### 5.1. Extinguishing media

**Suitable extinguishing media** Carbon dioxide (CO<sub>2</sub>) Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water spray or fog

**Large Fire** CAUTION: Use of water spray when fighting fire may be inefficient.

**Unsuitable extinguishing media** Do not use a solid water stream as it may scatter and spread fire. Do not scatter spilled material with high pressure water streams.

### 5.2. Special hazards arising from the substance or mixture

**Specific hazards arising from the chemical** 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

**Special protective equipment for fire-fighters** Use personal protective equipment as required. Wear self-contained breathing apparatus and protective suit

## 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

**Environmental precautions** Prevent further leakage or spillage if safe to do so. If spillage occurs at a timber treatment plant site follow on site emergency procedures. If spillage occurs in drainage systems or water courses, notify appropriate authorities immediately.

### 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** Recover the product where possible. Cover liquid spill with sand, earth or other noncombustible absorbent material. Take up mechanically, placing in appropriate containers for disposal. Seal containers and label them. Remove contaminated material to safe location for subsequent disposal.

### 6.4. Reference to other sections

**Reference to other sections** See Section 7, 8, 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** When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended. Keep away from food, drink and animal feedingstuffs. Contaminated work clothing should not be allowed out of the workplace. Take off all contaminated clothing and wash it before re-use. Wear suitable gloves and eye/face protection.

**7.2. Conditions for safe storage, including any incompatibilities****Storage Conditions**

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

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

**7.3. Specific end use(s)**

**Specific use(s)** Product-type 8: Wood preservatives.

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters**

Chemical name	European Union	Austria	Belgium	Bulgaria	Croatia
Copper (II) hydroxide 20427-59-2	-	TWA: 1 mg/m <sup>3</sup> TWA: 0.1 mg/m <sup>3</sup> STEL 4 mg/m <sup>3</sup> STEL 0.4 mg/m <sup>3</sup>	-	TWA: 0.1 mg/m <sup>3</sup> TWA: 1.0 mg/m <sup>3</sup>	-
Chemical name	Cyprus	Czech Republic	Denmark	Estonia	Finland
Copper (II) hydroxide 20427-59-2	-	-	-	TWA: 1 mg/m <sup>3</sup> TWA: 0.2 mg/m <sup>3</sup>	TWA: 0.02 mg/m <sup>3</sup>
Chemical name	France	Germany	Germany MAK	Greece	Hungary
Copper (II) hydroxide 20427-59-2	-	-	TWA: 0.01 mg/m <sup>3</sup> Peak: 0.02 mg/m <sup>3</sup>	-	STEL: 4 mg/m <sup>3</sup>
Chemical name	Ireland	Italy	Italy REL	Latvia	Lithuania
Copper (II) hydroxide 20427-59-2	-	-	TWA: 1 mg/m <sup>3</sup>	TWA: 0.5 mg/m <sup>3</sup>	TWA: 1 mg/m <sup>3</sup> TWA: 0.2 mg/m <sup>3</sup>
Chemical name	Luxembourg	Malta	Netherlands	Norway	Poland
Copper (II) hydroxide 20427-59-2	-	-	TWA: 0.1 mg/m <sup>3</sup>	-	TWA: 0.2 mg/m <sup>3</sup>
Chemical name	Portugal	Russia	Romania	Slovakia	Slovenia
Copper (II) hydroxide 20427-59-2	-	-	-	TWA: 1 mg/m <sup>3</sup> TWA: 0.2 ppm	-
Chemical name	Spain	Sweden	Switzerland	Turkey	United Kingdom
Copper (II) hydroxide 20427-59-2	TWA: 0.1 mg/m <sup>3</sup>	NGV: 0.01 mg/m <sup>3</sup>	TWA: 0.1 mg/m <sup>3</sup> STEL: 0.2 mg/m <sup>3</sup>	-	-

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

**Predicted No Effect Concentration (PNEC)** No information available.

**8.2. Exposure controls**

<b>Engineering Controls</b>	Ensure adequate ventilation, especially in confined areas.
<b>Personal protective equipment</b>	
<b>Eye/face protection</b>	Wear safety glasses with side shields (or goggles).
<b>Hand Protection</b>	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.
<b>Skin and body protection</b>	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.
<b>Respiratory protection</b>	In case of inadequate ventilation wear respiratory protection.
<b>General hygiene considerations</b>	Handle in accordance with good industrial hygiene and safety practice.
<b>Environmental exposure controls</b>	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

<b>Physical state</b>	Liquid
<b>Colour</b>	opaque dark green
<b>Odour</b>	Not determined.
<b>Odour threshold</b>	Not determined

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>Melting point / freezing point</b>	Not determined	
<b>Boiling point / boiling range</b>	Not determined	
<b>Flammability (solid, gas)</b>	Not determined	
<b>Flammability Limit in Air</b>	Not determined	
<b>Upper flammability limit:</b>		
<b>Lower flammability limit</b>		
<b>Flash point</b>	158.5 °C	EC A9 Pensky-Martens Closed Cup (PMCC)
<b>Autoignition temperature</b>	268 ± 5 °C	Method A15
<b>Decomposition temperature</b>	Not determined	
<b>pH</b>	5.52	@ 25 °C CIPAC MT 75.3
<b>pH (as aqueous solution)</b>	5.60	solution (1 %)
<b>Kinematic viscosity</b>	54.8 mm <sup>2</sup> /s	@ 20 °C OECD 114
<b>Dynamic viscosity</b>	Not determined	
<b>Water solubility</b>	Not determined	
<b>Solubility(ies)</b>	Not determined	
<b>Partition coefficient</b>	Not determined	
<b>Vapour pressure</b>	Not determined	
<b>Relative density</b>	0.921	
<b>Bulk density</b>	Not determined	
<b>Density</b>	Not determined	
<b>Vapour density</b>	Not determined	
<b>Particle characteristics</b>		
<b>Particle Size</b>	Not determined	
<b>Particle Size Distribution</b>	Not determined	

### 9.2. Other information

9.2.1. Information with regards to physical hazard classes

<b>Explosive properties</b>	Not an explosive
<b>Oxidising properties</b>	Not oxidising

9.2.2. Other safety characteristics  
No information available

## **SECTION 10: Stability and reactivity**

### **10.1. Reactivity**

**Reactivity** No information available.

### **10.2. Chemical stability**

**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**

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 hazard classes as defined in Regulation (EC) No 1272/2008**

#### **Information on likely routes of exposure**

#### **Product Information**

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

#### **Symptoms related to the physical, chemical and toxicological characteristics**

**Symptoms** No information available.

#### **Acute toxicity**

#### **Actual Product Data**

#### **Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Carrier oil	>5000 mg/kg (RT)	>2000 mg/kg (RBT)	-
C8-C10 fatty acid	> 2000 mg/kg (RT)	> 2000 mg/kg (RBT)	-
Copper (II) hydroxide	500 mg/kg (ATE)	> 2000 mg/kg (RT)	0.47 mg/L (ATE)
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)	-
Penflufen	>2000 mg/kg (RT)	>2000 mg/kg (RT)	-

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

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**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.

Chemical name	European Union
Carrier oil	Carc. 1B

Note L : The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3 % DMSO extract as measured by IP 346 "Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions - Dimethyl sulphoxide extraction refractive index method", Institute of Petroleum, London. This note applies only to certain complex oil-derived substances in Part 3

**Reproductive toxicity** Not classified.

**STOT - single exposure** Not classified.

**STOT - repeated exposure** Not classified.

**Aspiration hazard** Not classified.

### 11.2. Information on other hazards

#### 11.2.1. Endocrine disrupting properties

**Endocrine disrupting properties** No information available.

**11.2.2. Other information**

Other adverse effects No information available.

**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	Fish	Crustacea	Algae/aquatic plants	Toxicity to microorganisms
Carrier oil	>100 mg/L LC50 96h (Pimephales promelas)	>10000 mg/L EC50 48h (Daphnia magna)	>100 mg/L EC50 72h (Pseudokirchneriella subcapitata)	-
C8-C10 fatty acid	16 mg/L LC50 96h (Oryzias latipes)	>20 mg/l EC50 48h (Daphnia magna)	23.28 mg/L EC50 72h (Pseudokirchnerella subcapitata)	-
Copper (II) hydroxide	0.038 - 0.2 mg/L LC50 96h (Pimephales promelas)	-	-	-
Reaction mass of: N,N-Didecyl-N,N-dimethylammonium Carbonate; and N,N-Didecyl-N,N-dimethylammonium Bicarbonate	0.28 mg/L LC50 96h (Lepomis macrochirus)	0.066 mg/L EC50 48h (Daphnia magna)	0.0152 mg/L EC50 72h (Desmodesmus suspicatus)	-
Penflufen	0.130 mg/L LC50 96h (Cyprinus carpio)	>4.66 mg/L EC50 48h (Daphnia magna)	>5.1 mg/L EC50 72h (Pseudokirchneriella subcapitata)	-

**12.2. Persistence and degradability**

No information available.

**12.3. Bioaccumulative potential****12.4. Mobility in soil**

No information available.

**12.5. Results of PBT and vPvB assessment**

This mixture contains no substance considered to be persistent, bioaccumulating or toxic (PBT). This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

**12.6. Endocrine disrupting properties**

No information available.

**12.7. Other adverse effects**

No information available.

Note:

**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

<b>Waste from residues/unused products</b>	Dispose of waste in accordance with environmental legislation. Dispose of in accordance with local regulations.
<b>Contaminated packaging</b>	Improper disposal or reuse of this container may be dangerous and illegal.
<b>Other Information</b>	Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not dispose of clean-up water 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. Treated wood waste should be disposed of by a method approved by the local authority.

**SECTION 14: Transport information****IATA**

<b>14.1 UN number or ID number</b>	UN3082
<b>14.2 Proper shipping name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (Copper (II) hydroxide)
<b>14.3 Transport hazard class(es)</b>	9
<b>14.4 Packing group</b>	III
<b>Description</b>	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (Copper (II) hydroxide), 9, III
<b>14.5 Environmental hazard</b>	Yes
<b>14.6 Special precautions for user</b>	
<b>Special Provisions</b>	None

**IMDG**

<b>14.1 UN number or ID number</b>	UN3082
<b>14.2 Proper shipping name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (Copper (II) hydroxide)
<b>14.3 Transport hazard class(es)</b>	9
<b>14.4 Packing Group</b>	III
<b>Description</b>	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (Copper (II) hydroxide), 9, III, Marine pollutant
<b>14.5 Environmental hazard</b>	Yes
<b>14.6 Special precautions for user</b>	
<b>Special Provisions</b>	274, 335, 969
<b>EmS-No</b>	F-A, S-F
<b>14.7 Maritime transport in bulk according to IMO instruments</b>	No information available

**RID**

<b>14.1 UN/ID no</b>	UN3082
<b>14.2 Proper shipping name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (Copper (II) hydroxide)
<b>14.3 Transport hazard class(es)</b>	9
<b>14.4 Packing Group</b>	III
<b>Description</b>	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (Copper (II) hydroxide), 9, III
<b>14.5 Environmental hazard</b>	Yes
<b>14.6 Special precautions for user</b>	
<b>Special Provisions</b>	274, 335, 601, 375
<b>Classification code</b>	M6

**ADR**

<b>14.1 UN number or ID number</b>	3082
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<b>14.2 Proper shipping name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (Copper (II) hydroxide)
<b>14.3 Transport hazard class(es)</b>	9
<b>14.4 Packing Group</b>	III
<b>Description</b>	3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (Copper (II) hydroxide), 9, III
<b>14.5 Environmental hazard</b>	Yes
<b>14.6 Special precautions for user</b>	
<b>Special Provisions</b>	274, 335, 601, 375
<b>Classification code</b>	M6
<b>Tunnel restriction code</b>	(-)

## SECTION 15: Regulatory information

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

#### National regulations

##### Germany

**Water hazard class (WGK)** Water endangering class = 2 (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 contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII) This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV)

Chemical name	Restricted substance per REACH Annex XVII	Substance subject to authorisation per REACH Annex XIV
Carrier oil -	28.	

#### Persistent Organic Pollutants

Not applicable

#### Ozone-depleting substances (ODS) regulation (EC) 1005/2009

Not applicable

### 15.2. Chemical safety assessment

**Chemical Safety Report** 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

H301 - Toxic if swallowed

H302 - Harmful if swallowed  
 H314 - Causes severe skin burns and eye damage  
 H318 - Causes serious eye damage  
 H330 - Fatal if inhaled  
 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  
 H351 - Suspected of causing cancer

**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
+	Sensitisers		

**Key literature references and sources for data used to compile the SDS**

Agency for Toxic Substances and Disease Registry (ATSDR)  
 U.S. Environmental Protection Agency ChemView Database  
 European Food Safety Authority (EFSA)  
 European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA\_RAC)  
 European Chemicals Agency (ECHA) (ECHA\_API)  
 EPA (Environmental Protection Agency)  
 Acute Exposure Guideline Level(s) (AEL(s))  
 U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act  
 U.S. Environmental Protection Agency High Production Volume Chemicals  
 Hazardous Substance Database  
 International Uniform Chemical Information Database (IUCLID)  
 National Institute of Technology and Evaluation (NITE)  
 Australian National Industrial Chemicals Notification and Assessment Scheme (NICNAS)  
 NIOSH (National Institute for Occupational Safety and Health)  
 National Library of Medicine's ChemID Plus (NLM CIP)  
 National Library of Medicine's PubMed database (NLM PUBMED)  
 National Toxicology Program (NTP)  
 New Zealand's Chemical Classification and Information Database (CCID)

**Print Date** 17-Oct-2022

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**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**