

This safety data sheet was created pursuant to the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008 This SDS is for generic information purposes and does not reflect required country specific information for OEL

BUTYL MASTIC 1590 GREY

Supercedes Date: 07-Apr-2021

#### Revision date 07-Apr-2021 Revision Number 1

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

1.1. Product identifier

Product NameBUTYL MASTIC 1590 GREYPure substance/mixtureMixture

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

Recommended use	Sealant.
Uses advised against	None known.

1.3. Details of the supplier of the safety data sheet

Company Name Bostik AB Strandbadsvaegen 22 PO Box 903 25109 Helsingborg, Sweden Tel: +46 42 19 50 00 Fax: +46 42 19 50 20

#### E-mail address

SDS.box-EU@bostik.com

### 1.4. Emergency telephone number

**Emergency Telephone** 

# **SECTION 2: Hazards identification**

### 2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Specific target organ toxicity — single exposure	Category 3 - (H336)
Chronic aquatic toxicity	Category 3 - (H412)
Flammable liquids	Category 3 - (H226)

#### 2.2. Label elements

Contains Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics



Signal word Warning

# Hazard statements

H336 - May cause drowsiness or dizziness. H412 - Harmful to aquatic life with long lasting effects.

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H226 - Flammable liquid and vapour.

## **EU Specific Hazard Statements**

EUH066 - Repeated exposure may cause skin dryness or cracking

EUH211 - Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist

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

P101 - If medical advice is needed, have product container or label at hand

P102 - Keep out of reach of children

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking

P280 - Wear protective gloves and eye/face protection

P271 - Use only outdoors or in a well-ventilated area

P405 - Store locked up

P403 + P233 - Store in a well-ventilated place. Keep container tightly closed

P501 - Dispose of contents/ container to an approved waste disposal plant

#### 2.3. Other hazards

Harmful to aquatic life. In use, may form flammable/explosive vapour-air mixture.

#### PBT & vPvB

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).

# SECTION 3: Composition/information on ingredients

#### 3.1 Substances

Not applicable

### 3.2 Mixtures

Chemical name	EC No	CAS No	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	REACH registration number
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	919-857-5	64742-48-9	20 - 25	STOT SE 3 (H336) Asp. Tox. 1 (H304) (EUH066) Flam. Liq. 3 (H226)		01-2119463258- 33
Titanium dioxide	236-675-5	13463-67-7	1 - <3	Carc. 2 (H351i)		01-2119489379- 17-XXXX
4-(1,1,3,3-tetramethylbut yl)phenol, (4-tert-Octylphenol)	205-426-2	140-66-9	0.01 - <0.05	Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)		01-2119541687- 29-XXXX

#### Full text of H- and EUH-phrases: see section 16

Note: ^ indicates not classified, however, the substance is listed in section 3 as it has an OEL

This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

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SECTION 4: First aid measu	Ires
4.1. Description of first aid measu	res
General advice	Show this safety data sheet to the doctor in attendance.
Inhalation	Remove to fresh air. IF exposed or concerned: Get medical advice/attention.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if symptoms occur.
Skin contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get medical attention if symptoms occur.
Ingestion	Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Call a doctor.
Self-protection of the first aider	Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Use personal protective equipment as required. See section 8 for more information.
4.2. Most important symptoms and	d effects, both acute and delayed
Symptoms	Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.
4.3. Indication of any immediate m	nedical attention and special treatment needed
Note to doctors	Treat symptomatically.
SECTION 5: Firefighting me	asures
5.1. Extinguishing media	
Suitable Extinguishing Media	Dry chemical. Carbon dioxide (CO2). Water spray. Alcohol resistant foam.
Unsuitable extinguishing media	Full water jet.
5.2. Special hazards arising from	the substance or mixture
Specific hazards arising from the chemical	Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Hazardous combustion products	Carbon dioxide (CO2).
5.3. Advice for firefighters	
Special protective equipment and precautions for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.
SECTION 6: Accidental rele	ase measures
6.1. Personal precautions, protect	ive equipment and emergency procedures

## 6.1. Personal precautions, protective equipment and emergency procedures

#### **Personal precautions**

Evacuate personnel to safe areas. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing. Ensure

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	adequate ventilation. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material.
Other information	Ventilate the area. Refer to protective measures listed in Sections 7 and 8.
For emergency responders	Use personal protection recommended in Section 8.
6.2. Environmental precautions	
Environmental precautions	Prevent entry into waterways, sewers, basements or confined areas. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system.
6.3. Methods and material for cont	ainment and cleaning up
Methods for containment	Stop leak if you can do it without risk. Do not touch or walk through spilled material. A vapour suppressing foam may be used to reduce vapours. Dyke far ahead of spill to collect run-off water. Keep out of drains, sewers, ditches and waterways. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.
Methods for cleaning up	Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labelled containers.
Prevention of secondary hazards	Clean contaminated objects and areas thoroughly observing environmental regulations.
6.4. Reference to other sections	
Reference to other sections	See section 8 for more information. See section 13 for more information.

# SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Advice on safe handling	Use personal protection equipment. Avoid contact with skin and eyes. Avoid breathing vapours or mists. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use with local exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions. Handle in accordance with good industrial hygiene and safety practice. In case of insufficient ventilation, wear suitable respiratory equipment.
General hygiene considerations	Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product.
7.2. Conditions for safe storage, in	cluding any incompatibilities
Storage Conditions	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labelled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations.
Recommended storage temperature	Keep at temperatures between 5 and 25 °C.
7.3. Specific end use(s)	

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#### Specific use(s) Sealant.

Risk Management Methods (RMM) The information required is contained in this Safety Data Sheet.

Other information

Observe technical data sheet.

# **SECTION 8: Exposure controls/personal protection**

### 8.1. Control parameters

**Exposure Limits** 

This product contains titanium dioxide in a non-respirable form. Inhalation of titanium dioxide is unlikely to occur from exposure to this product

# Only European Community Occupational Exposure Limits will be shown in this document. Please refer to regional SDS for further information.

#### Derived No Effect Level (DNEL)

No information available

Derived No Effect Level (DNEL)			
Titanium dioxide (13463-67-7)			
Туре	Exposure route	Derived No Effect Level	Safety factor
		(DNEL)	
worker	Inhalation	10 mg/m <sup>3</sup>	
Long term			
Local health effects			

Derived No Effect Level (DNEL)			
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics (64742-48-9)			
Туре		Derived No Effect Level (DNEL)	Safety factor
Long term Systemic health effects	Dermal	300 mg/kg bw/d	
Long term Systemic health effects	Inhalation	1500 mg/m³	

Titanium dioxide (13463-67-7)			
Туре	Exposure route	Derived No Effect Level	Safety factor
		(DNEL)	
Consumer	Oral	700 mg/kg bw/d	
Long term			
Systemic health effects			

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

Predicted No Effect Concentration (PNEC)		
Titanium dioxide (13463-67-7)		
Environmental compartment	Predicted No Effect Concentration (PNEC)	
Marine water	0.0184 mg/l	
Freshwater sediment	1000 mg/kg	
Freshwater	0.184 mg/l	
Marine sediment	100 mg/kg	
Soil	100 mg/kg	
Microorganisms in sewage treatment	100 mg/l	
Freshwater - intermittent	0.193 mg/l	

# 8.2. Exposure controls

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Engineering controls	Ensure adequate ventilation, especially in confined areas. Vapours/aerosols must be exhausted directly at the point of origin.
Personal protective equipment	
Eye/face protection	Tight sealing safety goggles.
Hand protection	Wear protective gloves. The breakthrough time of the gloves depends on the material and the thickness as well as the temperature.
Skin and body protection	Suitable protective clothing.
Respiratory protection	In case of inadequate ventilation wear respiratory protection. In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.
Recommended filter type:	Organic gases and vapours filter conforming to EN 14387.
Environmental exposure controls	No information available.

## **SECTION 9: Physical and chemical properties**

#### 9.1. Information on basic physical and chemical properties

Physical state Appearance Colour Odour Odour threshold	Liquid Paste Grey Characteristic No information available	
Property pH pH (as aqueous solution) Melting point / freezing point Initial boiling point and boiling range	Values No data available No data available No data available 154 - 193 °C	<b>Remarks • Method</b> Not applicable Insoluble in water
Flash point Evaporation rate Flammability Flammability Limit in Air Upper flammability or explosive limits Lower flammability or explosive limits		DIN 53213
Vapour pressure Relative vapour density Relative density Water solubility Solubility(ies) Partition coefficient Autoignition temperature Decomposition temperature	3 No data available No data available Insoluble in water Aromatic hydrocarbons No data available No data available No data available	hPa
Kinematic viscosity Dynamic viscosity Explosive properties Oxidising properties 9.2. Other information	<ul> <li>&gt; 25</li> <li>No data available</li> <li>No data available</li> <li>No data available</li> <li>No data available</li> </ul>	@ 40°C
Solid content (%) VOC Content (%) Density	78.7 1.28 g/cm <sup>3</sup>	

# SECTION 10: Stability and reactivity

### 10.1. Reactivity

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Reactivity	No information available.			
10.2. Chemical stability				
Stability	Stable under normal conditions.			
Explosion data				
Sensitivity to mechanical	None.			
impact Sensitivity to static discharge	Yes.			
10.3. Possibility of hazardous reac	tions			
Possibility of hazardous reactions	None under normal processing.			
10.4. Conditions to avoid				
Conditions to avoid	Heat, flames and sparks.			
10.5. Incompatible materials				
Incompatible materials	None known based on information supplied.			
10.6. Hazardous decomposition pr	oducts			
Hazardous decomposition products	None under normal use conditions. Stable under recommended storage conditions.			
SECTION 11: Toxicological	information			
11.1. Information on toxicological				
Information on likely routes of exp				
Product Information	<u></u>			
Inhalation	May cause drowsiness or dizziness.			
	Based on available data, the classification criteria are not met.			
Eye contact				
Skin contact	Based on available data, the classification criteria are not met.			
Ingestion	Based on available data, the classification criteria are not met.			
Symptoms related to the physical,	chemical and toxicological characteristics			
Symptoms	Inhalation of high vapour concentrations may cause symptoms like headache, dizziness tiredness, nausea and vomiting.			
Numerical measures of toxicity				

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

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## **Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Hydrocarbons, C9-C11,	>6000 mg/kg (Rattus)	> 3160 mg/kg (Oryctolagus	LC50 Vapour (4h) >5020
n-alkanes, isoalkanes, cyclics,		cuniculus)	mg/m <sup>3</sup> (Rattus)

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<2% aromatics 64742-48-9			
Titanium dioxide 13463-67-7	>10000 mg/kg (Rattus)	LD50 > 10000 mg/Kg	>5 mg/l
4-(1,1,3,3-tetramethylbutyl)phe nol, (4-tert-Octylphenol) 140-66-9	=4600 mg/kg (Rattus)	= 1880 mg/kg (Oryctolagus cuniculus)	

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

Skin corrosion/irritation

Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

Germ cell mutagenicity Based on available data, the classification criteria are not met.

The table below indicates ingredients above the cut-off threshold considered as relevant which are listed as mutagenic.

Chemical name	European Union
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2%	Muta. 1B
aromatics	
64742-48-9	

Carcinogenicity

Based on available data, the classification criteria are not met.

Chemical name	European Union
Titanium dioxide	Carc. 2
13463-67-7	

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Reproductive toxicity	Based on available data, the classification criteria are not met.		
STOT - single exposure	May cause drowsiness or dizziness.		
STOT - repeated exposure	Based on available data, the classification criteria are not met.		
Aspiration hazard	Based on available data, the classification criteria are not met.		
11.2. Information on other hazards			
11.2.1. Endocrine disrupting properties			
Endocrine disrupting properties			
11.2.2. Other information			
Other adverse effects	No information available.		
SECTION 12: Ecological information			

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## 12.1. Toxicity

## Ecotoxicity

Harmful to aquatic life with long lasting effects.

Chemical name	Algae/aquatic	Fish	Toxicity to	Crustacea	M-Factor	M-Factor
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics 64742-48-9	1000 mg/l	LC50: =2200mg/L (96h, Pimephales promelas)	microorganisms -	LL50 (48h) > 1000 mg/l (Daphnia magna) OECD 202		(long-term)
Titanium dioxide 13463-67-7	LC50 (96h) >10000 mg/l (Cyprinodon variegatus) OECD 203	-	-	-		
4-(1,1,3,3-tetramethylb utyl)phenol, (4-tert-Octylphenol) 140-66-9	EC50: =1.9mg/L (96h, Pseudokirchneri ella subcapitata) EC50: =1.1mg/L (72h, Desmodesmus subspicatus)	=0.25mg/L (96h, Pimephales promelas) LC50:		EC50: 0.07 - 0.12mg/L (48h, Daphnia magna)	10	10

#### 12.2. Persistence and degradability

Persistence and degradability No information available.

# 12.3. Bioaccumulative potential

**Bioaccumulation** 

There is no data for this product.

### **Component Information**

Chemical name	Partition coefficient	Bioconcentration factor (BCF)
4-(1,1,3,3-tetramethylbutyl)phenol, (4-tert-Octylphenol)	4.12	-
140-66-9		

## 12.4. Mobility in soil

Mobility in soil

No information available.

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## 12.5. Results of PBT and vPvB assessment

## PBT and vPvB assessment

Chemical name	PBT and vPvB assessment
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2%	The substance is not PBT / vPvB
aromatics	
64742-48-9	
Titanium dioxide	The substance is not PBT / vPvB
13463-67-7	PBT assessment does not apply
4-(1,1,3,3-tetramethylbutyl)phenol, (4-tert-Octylphenol)	The substance is not PBT / vPvB
140-66-9	

## 12.6. Other adverse effects

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Other adverse effects No information available.

### Endocrine Disruptor Information

Chemical name	EU - Endocrine Disrupters Candidate List	EU - Endocrine Disruptors - Evaluated Substances
4-(1,1,3,3-tetramethylbutyl)phenol, (4-tert-Octylphenol)	Group II Chemical	Medium Exposure Concern

# SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Waste from residues/unused products	Should not be released into the environment. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.
Contaminated packaging	Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers.
European Waste Catalogue	08 04 09* waste adhesives and sealants containing organic solvents or other dangerous substances 15 01 10*: Packaging containing residues of or contaminated by dangerous substances
Other information	Waste codes should be assigned by the user based on the application for which the product was used.

# **SECTION 14: Transport information**

Land transp	ort (/	ADR/RID)	

<ul> <li>Land transport (ADIVID)</li> <li>14.1 UN number or ID number</li> <li>14.2 Proper Shipping Name</li> <li>14.3 Transport hazard class(es) <ul> <li>Labels</li> </ul> </li> <li>14.4 Packing group <ul> <li>Description</li> </ul> </li> <li>14.5 Environmental hazards</li> <li>14.6 Special Provisions <ul> <li>Classification code</li> <li>Tunnel restriction code</li> <li>Limited Quantity (LQ)</li> <li>ADR Hazard Id (Kemmler</li> <li>Number)</li> </ul> </li> </ul>	UN1133 Adhesives 3 3 III UN1133, Adhesives, 3, III, (D/E) Not applicable None F1 (D/E) 5 L 30	
IMDG 14.1 UN number or ID number 14.2 Proper Shipping Name 14.3 Transport hazard class(es) 14.4 Packing group Description 14.5 Marine pollutant 14.6 Special Provisions Limited Quantity (LQ) EmS-No 14.7 Transport in bulk according	UN1133 Adhesives 3 III UN1133, Adhesives, 3, III, (41°C c.c.) NP 223, 955 5 L F-E, S-D to Annex II of MARPOL and the IBC Code	Not applicable

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14.5 Environmental hazards	Not applicable
14.6 Special Provisions	A3
Limited Quantity (LQ)	10 L
ERG Code	3L

### Section 15: REGULATORY INFORMATION

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

#### 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

Check whether measures in accordance with Directive 94/33/EC for the protection of young people at work must be taken.

#### Registration, Evaluation, Authorization, and Restriction of Chemicals (REACh) Regulation (EC 1907/2006)

#### SVHC: Substances of Very High Concern for Authorisation:

This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

#### EU-REACH (1907/2006) - Annex XVII - Substances subject to Restriction

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

#### Substance subject to authorisation per REACH Annex XIV

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

#### Dangerous substance category per Seveso Directive (2012/18/EU)

P5a - FLAMMABLE LIQUIDS P5b - FLAMMABLE LIQUIDS P5c - FLAMMABLE LIQUIDS

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

# Persistent Organic Pollutants

Not applicable

#### National regulations

#### France

#### **Occupational Illnesses (R-463-3, France)**

Chemical name	French RG number
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	RG 84
64742-48-9	

#### Germany

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# Ordinance on Industrial Safety and Health - Germany - BetrSichV

Flammable liquid (R10), EEC: refer to Annex III No. 1 (fire and explosion hazards) and § 7 paragraph 3

Water hazard class (WGK) obviously hazardous to water (WGK 2)

#### Netherlands

List of Carcinogenic, mutagenic and reproductive toxin substances in accordance with Inspectorate SZW (Netherlands)

#### Sweden

Occupational exposure limits AFS 2018:1

DenmarkRegistration number(s) (P-no.)336752MAL-Code1-1NorwayRegistration number(s) (PRN-no.)8021

#### 15.2. Chemical safety assessment

Chemical Safety Assessments have been carried out by the Reach registrants for substances registered at >10 tpa. No Chemical Safety Assessment has been carried out for this mixture.

## **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

EUH066 - Repeated exposure may cause skin dryness or cracking

- H226 Flammable liquid and vapour
- H304 May be fatal if swallowed and enters airways
- H315 Causes skin irritation
- H318 Causes serious eye damage
- H336 May cause drowsiness or dizziness
- H400 Very toxic to aquatic life
- H410 Very toxic to aquatic life with long lasting effects

## Legend

TWĂ	TWA (time-weighted average)
STEL	STEL (Short Term Exposure Limit)
Ceiling	Ceiling Limit Value
*	Skin designation
SVHC	Substance(s) of Very High Concern
PBT	Persistent, Bioaccumulative, and Toxic (PBT) Chemicals
vPvB	Very Persistent and very Bioaccumulative (vPvB) Chemicals
STOT RE	Specific target organ toxicity - Repeated exposure
STOT SE	Specific target organ toxicity - Single exposure
EWC	European Waste Catalogue

#### Key literature references and sources for data No information available

Prepared By	Product Safety & Regulatory Affairs
Revision date	07-Apr-2021

Europe - EN

Indication of changes

Revision note	Not applicable.
Training Advice	No information available
Further information	No information available

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

#### Disclaimer

The information provided in this 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**