

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

BOSTIK SILICONE UNIVERSAL WHITE Supercedes Date: 10-Sep-2021 Revision date 02-Mar-2023 Revision Number 2

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

1.1. Product identifier	
Product Name	BOSTIK SILICONE UNIVERSAL WHITE
Other means of identification	
Pure substance/mixture	Mixture
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 s	afety 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

## 2.2. Label elements

Signal word Danger

Hazard statements

## **EU Specific Hazard Statements**

EUH208 - Contains 3-aminopropyltriethoxysilane. May produce an allergic reaction EUH210 - Safety data sheet available on request

## 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

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## 2.3. Other hazards

Small amounts of ethanol (CAS 64-17-5) are formed by hydrolysis and released upon curing.

### 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).

Endocrine Disruptor Information This product does not contain any known or suspected endocrine disruptors.

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Not applicable

### 3.2 Mixtures

Chemical name	EC No (EU Index No).	CAS No.	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	M-Factor	M-Factor (long-ter m)	REACH registration number
Distillates, petroleum, hydrotreated middle 1 - <5 %	265-148-2	64742-46-7	Asp. Tox. 1 (H304)	-	-	-	01-2119827000- 58-XXXX
Silsesquioxanes, 3-aminopropyl methyl, ethoxy terminated 1 - <5 %	-	128446-60-6	Flam. Liq. 3 (H226) Skin Irrit. 2 (H315) Eye Dam. 1 (H318)	-	-	-	-
3-aminopropyltriethoxysil ane 0.1 - <0.5 %	(612-108-00- 0) 213-048-4	919-30-2	Skin Corr. 1B (H314) Eye Dam. 1 (H318) Skin Sens. 1 (H317) Acute Tox. 4 (H302)	-	-	-	01-2119480479- 24-XXXX

## Air contaminants formed when using the substance or mixture as intended

Chemical name	EC No (EU Index No)	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	M-Factor	M-Factor (long-ter m)	-
Ethanol 64-17-5	(603-002-00 -5) 200-578-6	1 - <2.5	Flam. Liq. 2 (H225) Eye Irrit. 2 (H319)	-	-	-	01-211945761 0-43-XXXX

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

## Acute Toxicity Estimate

If LD50/LC50 data is not available or does not correspond to the classification category, then the appropriate conversion value from CLP Annex I, Table 3.1.2, is used to calculate the acute toxicity estimate (ATEmix) for classifying a mixture based on its components

Chemical name	EC No (EU Index No)	CAS No	Oral LD50 mg/kg	Dermal LD50 mg/kg	LC50 - 4 hour -	Inhalation LC50 - 4 hour - vapour - mg/L	
Distillates, petroleum, hydrotreated middle	265-148-2	64742-46-7	-	-	-	-	-

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Chemical name	EC No (EU	CAS No	Oral LD50	Dermal LD50	Inhalation	Inhalation	Inhalation
	Index No)		mg/kg	mg/kg	LC50 - 4 hour -	LC50 - 4 hour -	LC50 - 4 hour -
			•••		dust/mist -	vapour - mg/L	gas - ppm
					mg/L		
3-aminopropyltriethoxy	(612-108-00-0)	919-30-2	1490	-	-	-	-
silane	213-048-4						

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

## Notes

See section 16 for more information

Chemical name	Notes
Distillates, petroleum, hydrotreated middle - 64742-46-7	Ν

# SECTION 4: First aid measures

## 4.1. Description of first aid measures

General advice	Show this safety data sheet to the doctor in attendance. If medical advice is needed, have product container or label at hand.
Inhalation	Remove to fresh air. If symptoms persist, call a doctor.
Eye contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Consult an ophthalmologist.
Skin contact	Wash skin with soap and water. If symptoms persist, call a doctor.
Ingestion	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth thoroughly with water. Drink 1 or 2 glasses of water.
4.2. Most important symptoms and	d effects, both acute and delayed
Symptoms	None known.
4.3. Indication of any immediate m	nedical attention and special treatment needed
Note to doctors	No information available.
SECTION 5: Firefighting me	asures
5.1. Extinguishing media	
Suitable Extinguishing Media	Water spray, carbon dioxide (CO2), dry chemical, alcohol-resistant foam.
Unsuitable extinguishing media	Full water jet.
5.2. Special hazards arising from t	he substance or mixture
Specific hazards arising from the chemical	Thermal decomposition can lead to release of irritating gases and vapours.
5.3. Advice for firefighters	

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**Special protective equipment and** Wear self contained breathing apparatus for fire fighting if necessary. **precautions for fire-fighters** 

## **SECTION 6: Accidental release measures**

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

Personal precautions	Do not get in eyes, on skin, or on clothing. Use personal protective equipment as required. Ensure adequate ventilation. Extremely slippery when spilled.
Other information	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 product from entering drains. Do not allow to enter into soil/subsoil. See Section 12 for additional Ecological Information.
6.3. Methods and material for cont	ainment and cleaning up
Methods for containment	Do not scatter spilled material with high pressure water streams. Cover with dry sand/earth.
Methods for cleaning up	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 st	orage
7.1. Precautions for safe handling	_
Advice on safe handling	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid contact with skin, eyes or clothing.
General hygiene considerations	Do not eat, drink or smoke when using this product. Wash hands before breaks and after work. Take off all contaminated clothing and wash it before reuse.
7.2. Conditions for safe storage, in	cluding any incompatibilities
Storage Conditions	Protect from moisture. Keep in a dry place. Store in a cool, well ventilated area. Keep away from food, drink and animal feedingstuffs.
7.3. Specific end use(s)	
<b>Specific use(s)</b> Sealant.	
Risk Management Methods (RMM)	The information required is contained in this Safety Data Sheet.
Other information	Observe technical data sheet.
SECTION 8: Exposure contr	ols/personal protection
8.1. Control parameters	

**Exposure Limits** 

Small amounts of ethanol (CAS 64-17-5) are formed by hydrolysis and released upon

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curing

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)					
Distillates, petroleum, hydro	treated middle (64742-46-7)				
Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor		
worker Long term Systemic health effects	Inhalation	16.4 mg/m³			
worker Short term Systemic health effects	Inhalation	5.003 mg/m³			
worker Long term Systemic health effects	Dermal	2.9 mg/kg bw/d			

3-aminopropyltriethoxysilan	3-aminopropyltriethoxysilane (919-30-2)					
Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor			
worker Long term Systemic health effects	Inhalation	59 mg/m³				
worker Short term Systemic health effects	Inhalation	59 mg/m³				
worker Long term Systemic health effects	Dermal	8.3 mg/kg bw/d				
worker Short term Systemic health effects	Dermal	8.3 mg/kg bw/d				

Derived No Effect Level (DNEL)						
Distillates, petroleum, hydrotreat	Distillates, petroleum, hydrotreated middle (64742-46-7)					
Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor			
Consumer	Oral	1.3 mg/kg bw/d				
Long term Systemic health effects						

3-aminopropyltriethoxysilane (919-30-2)					
Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor		
Consumer Long term Systemic health effects	Inhalation	17 mg/m³			
Consumer Short term Systemic health effects	Inhalation	17.4 mg/m³			
Consumer Long term Systemic health effects	Dermal	5 mg/kg bw/d			
Consumer	Dermal	5 mg/kg bw/d			

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Short term Systemic health effects

## **Predicted No Effect Concentration** (PNEC)

Predicted No Effect Concentration (PNEC)	
3-aminopropyltriethoxysilane (919-30-2)	
Environmental compartment	Predicted No Effect Concentration (PNEC)
Freshwater	0.33 mg/l
Marine water	0.033 mg/l

## 8.2. Exposure controls

**Engineering controls** 

Ensure adequate ventilation, especially in confined areas.

## Personal protective equipment Fve/face protection

Eye/face protection	Wear safety glasses with side shields (or goggles). Eye protection must conform to
	standard EN 166.
Hand protection	Wear suitable gloves. Recommended Use:. Neoprene <sup>™</sup> . Nitrile rubber. Glove thickness >= 0.15 mm. Butyl rubber. Glove thickness > 0.3 mm. The breakthrough time for the mentioned glove material is in general greater than 480 min. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. Gloves must conform to standard EN 374
Skin and body protection	None under normal use conditions.
Respiratory protection	In case of inadequate ventilation wear respiratory protection. Wear a respirator
	conforming to EN 140 with Type A/P2 filter or better. Ensure adequate ventilation, especially in confined areas.
Recommended filter type:	Organic gases and vapours filter conforming to EN 14387. White. Brown.

Environmental exposure controls Do not allow uncontrolled discharge of product into the environment.

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

9.1. Information on basic physical and chemical properties

Physical state Appearance Colour Odour Odour threshold	Liquid Paste See section 1 for more information Alcohol. No information available	
Property	Values	Remarks • Method
Melting point / freezing point	No data available	None known
Initial boiling point and boiling	No data available	None known
range		
Flammability	Not applicable for liquids .	None known
Flammability Limit in Air		None known
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Flash point	65 °C	None known
Autoignition temperature	>400 °C	None known
Decomposition temperature	> 300 °C	None known
рН	No data available	Not applicable. Insoluble in water.
pH (as aqueous solution)	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	1000000 mPa s	@ 23 °C
Water solubility	Insoluble in water.	None known

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Solubility(ies)	No data available	None known
Partition coefficient	No data available	None known
Vapour pressure	No data available	None known
Relative density	No data available	None known
Bulk Density	No data available	
Density	1.02 - 1.03 g/cm <sup>3</sup>	
Relative vapour density	No data available	None known
Particle characteristics		
Particle Size	No information available	
Particle Size Distribution	No information available	
<u>9.2. Other information</u> Solid content (%) VOC content	No information available No (	data available

9.2.1. Information with regards to physical hazard classes Not applicable

9.2.2. Other safety characteristics No information available

No information available	
SECTION 10: Stability and re	eactivity
10.1. Reactivity	
Reactivity	Product cures with moisture.
10.2. Chemical stability	
Stability	Stable under normal conditions.
Explosion data	
Sensitivity to mechanical impact	None.
Sensitivity to static discharge	None.
10.3. Possibility of hazardous react	tions
Possibility of hazardous reactions	None under normal processing.
10.4. Conditions to avoid	
Conditions to avoid	Protect from moisture. Exposure to air or moisture over prolonged periods. Do not freeze. Keep away from open flames, hot surfaces and sources of ignition.
10.5. Incompatible materials	
Incompatible materials	Water. Acids. Bases.
10.6. Hazardous decomposition pro	oducts

Hazardous decomposition<br/>productsSmall amounts of ethanol (CAS 64-17-5) are formed by hydrolysis and released upon<br/>curing.

# **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	
Inhalation	Based on available data, the classification criteria are not met.
Eye contact	Based on available data, the classification criteria are not met.
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	No information available.

Acute toxicity

#### Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document ATEmix (dermal) 44,488.90 mg/kg

Oral LD50	>	2000	mg/kg (rat)
Dermal LD50	>	2000	mg/kg (rat)

### **Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50	
Distillates, petroleum, hydrotreated middle	=7400 mg/kg (Rattus)	> 2000 mg/kg (Oryctolagus cuniculus)	=4.6 mg/L (Rattus) 4 h	
Silsesquioxanes, 3-aminopropyl methyl, ethoxy terminated	>2000 mg/Kg (Rattus)	-	_	
3-aminopropyltriethoxysilane LD50 = 1490 mg/kg (Rattus, female) EPA OTS 798.1175 LD50 = 2690 mg/kg (Rattus, male) EPA OTS 798.1175		LD50 = 4076 mg/kg (Oryctolagus cuniculus) EPA OTS 798.1100	LC50 >144 mg/L (6h) Rattus (Vapour)	

### 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.

Method	Species	Exposure route	Effective dose	ective dose Exposure time	
	Rabbit				Non-irritant

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

Method	Species	Exposure route	Effective dose	Exposure time	Results
	Rabbit				Non-irritant
	Rabbit				Non-Initant

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.

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

**Reproductive toxicity** 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 reproductive toxins.

STOT - single exposure	Based on available data, the classification criteria are not met.
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 hazard	<u>s</u>
11.2.1. Endocrine disrupting prop	perties
Endocrine disrupting properties	No information available.
11.2.2. Other information	
Other adverse effects	Small amounts of ethanol (CAS 64-17-5) are formed by hydrolysis and released upon curing. Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

# **SECTION 12: Ecological information**

## 12.1. Toxicity

## Ecotoxicity

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea	M-Factor	M-Factor (long-term)
Distillates, petroleum, hydrotreated middle 64742-46-7	EL50, Skeletonema costatum,72hr, > 10 000 mg/l,	LC50 96 h = 35 mg/L (Pimephales promelas flow-through) LC50 96 h > 10000 mg/L (Pimephales promelas static)	-	LL50, Acartia tonsa, 48 Hr, > 3 193 mg/l,		
3-aminopropyltriethoxy silane 919-30-2	>1000 mg/Ĺ Green algae	LC50 (96h) >934 mg/L (Brachydanio rerio) (OECD TG 203)		EC50 (48h) =331 mg/L Daphnia magna (OECD TG 202)		

## 12.2. Persistence and degradability

Persistence and degradability Not readily biodegradable.

## 12.3. Bioaccumulative potential

## Bioaccumulation

## **Component Information**

Chemical name	Partition coefficient
3-aminopropyltriethoxysilane	1.7

## 12.4. Mobility in soil

Mobility in soil

No information available.

Mobility

The product is insoluble and floats on water.

## 12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment

The product does not contain any substance(s) classified as PBT or vPvB above the threshold of declaration.

Chemical name	PBT and vPvB assessment
Distillates, petroleum, hydrotreated middle	The substance is not PBT / vPvB PBT assessment does
	not apply
3-aminopropyltriethoxysilane	The substance is not PBT / vPvB

## 12.6. Endocrine disrupting properties

Endocrine disrupting properties No information available.

## 12.7. Other adverse effects

No information available.

## SECTION 13: Disposal considerations

## 13.1. Waste treatment methods

Waste from residues/unused products	Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable.
Contaminated packaging	Handle contaminated packages in the same way as the product itself.
European Waste Catalogue	08 04 10 waste adhesives and sealants other than those mentioned in 08 04 09
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 transport (ADR/RID)

14.1	UN number or ID number	Not regulated
14.2	Proper Shipping Name	Not regulated
14.3	Transport hazard class(es)	Not regulated
14.4	Packing group	Not regulated
14.5	Environmental hazards	Not applicable
14.6	Special Provisions	None
IMDO	ì	
14.1	UN number or ID number	Not regulated
		Not regulated Not regulated
14.1 14.2	UN number or ID number	Ų
14.1 14.2 14.3	UN number or ID number Proper Shipping Name	Not regulated
14.1 14.2 14.3 14.4	UN number or ID number Proper Shipping Name Transport hazard class(es)	Not regulated Not regulated
14.1 14.2 14.3 14.4	UN number or ID number Proper Shipping Name Transport hazard class(es) Packing group	Not regulated Not regulated Not regulated
14.1 14.2 14.3 14.4 14.5 14.6	UN number or ID number Proper Shipping Name Transport hazard class(es) Packing group Marine pollutant	Not regulated Not regulated Not regulated NP

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<u>Air transport (ICAO-TI / IATA-DGR)</u>		
14.1	UN number or ID number	Not regulated
14.2	Proper Shipping Name	Not regulated
14.3	Transport hazard class(es)	Not regulated
14.4	Packing group	Not regulated
14.5	Environmental hazards	Not applicable
14.6	Special Provisions	None

## Section 15: REGULATORY INFORMATION

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

## European Union

## 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).

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The classification as a carcinogen need not apply if it can be shown that the substance contains less than 0,1 % w/w benzene (EINECS No 200-753-7). This note applies only to certain complex coal and oil-derived substances in Annex I Mineral oils are known to cause cancer because of carcinogenic components (e.g. benzene). The mineral oil in this product is highly refined and should not be considered a carcinogen

## 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)

#### Biocidal Products Regulation (EU) No 528/2012 (BPR)

This product contains a biocidal product 2-butyl-1,2-benzisothiazoline-3-one (BBIT) for the preservation of the dry film

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

Persistent Organic Pollutants Not applicable

National regulations

France

## Germany

Ordinance on Industrial Safety and Health - Germany - BetrSichV No flammable liquids in accordance with BetrSichV

#### 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) Not Listed

<u>Sweden</u> Occupational exposure limits AFS 2018:1

DenmarkRegistration number(s)(P-no.)4404433MAL-Code2-3AT-Guide C.0.1 August 2007: Limit values for substances and materials

Norway Registration number(s) (PRN-no.) 643551

## 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

- H226 Flammable liquid and vapour
- H302 Harmful if swallowed
- H304 May be fatal if swallowed and enters airways
- H314 Causes severe skin burns and eye damage
- H315 Causes skin irritation
- H317 May cause an allergic skin reaction
- H318 Causes serious eye damage
- H361f Suspected of damaging fertility
- H400 Very toxic to aquatic life
- H410 Very toxic to aquatic life with long lasting effects

## Notes relating to the identification, classification and labelling of substances

**Note N:** The harmonised classification as a carcinogen applies unless the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen, in which case a classification in accordance with Title II of this Regulation shall be performed also for that hazard class

SVHC: Substances of Very High Concern for Authorisation:

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

LOW: List of Wastes (see http://ec.europa.eu/environment/waste/framework/list.htm)

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

IATA: International Air Transport Association

ICAO: ICAO-TI: Technical Instructions for the Safe Transport of Dangerous Goods by Air

IMDG: International Maritime Dangerous Goods

RID: Regulations concerning the International Carriage of Dangerous Goods by Rail

## Legend SECTION 8: Exposure controls/personal protection

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
AGW	Occupational exposure limit value	BGW	Biological limit value

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Ceiling	Maximum limit value	*	Skin designation	
Classification	procedure			
Classification	according to Regulation (EC) No. 127	2/2008 [CLP]	Method Used	
Acute oral tox	icity		On basis of test data	
Acute dermal	toxicity		On basis of test data	
Acute inhalation	on toxicity - gas		Calculation method	
Acute inhalation	on toxicity - Vapour		Calculation method	
Acute inhalation	on toxicity - dust/mist		Calculation method	
Skin corrosion	n/irritation		Calculation method	
Serious eye da	amage/eye irritation		Calculation method	
Respiratory se	ensitisation		Calculation method	
Skin sensitisa	tion		Calculation method	
mutagenicity			Calculation method	
Carcinogenicit	ty		Calculation method	
Reproductive	toxicity		Calculation method	
STOT - single	exposure		Calculation method	
STOT - repeat	ted exposure		Calculation method	
Acute aquatic	toxicity		Calculation method	
Chronic aquat	ic toxicity		Calculation method	
Aspiration haz	zard		Calculation method	
Ozone			Calculation method	

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

European Food Safety Authority (EFSA)

European Chemicals Agency (ÉCHA) Committee for Risk Assessment (ECHA\_RAC)

European Chemicals Agency (ECHA) (ECHA\_API)

EPA (Environmental Protection Agency)

Acute Exposure Guideline Level(s) (AEGL(s))

International Uniform Chemical Information Database (IUCLID)

National Institute of Technology and Evaluation (NITE)

NIOSH (National Institute for Occupational Safety and Health)

Organisation for Economic Co-operation and Development Environment, Health, and Safety Publications

Organisation for Economic Co-operation and Development High Production Volume Chemicals Programme

Organisation for Economic Co-operation and Development Screening Information Data Set

Prepared By	Product Safety & Regulatory Affairs
Revision date	02-Mar-2023
Training Advice	No information available
Further information	No information available

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

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**