

This safety data sheet was created pursuant to the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

BOSTIK CEMPOLAY DEEP Supercedes date 28-Feb-2024 Revision date 10-Sep-2024 Revision Number 2.06

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

1.1. Product identifier	
Product Name	BOSTIK CEMPOLAY DEEP
Form	This substance/ mixture contains nanoforms
Other means of identification	
Pure substance/mixture	Mixture
1.2. Relevant identified uses of the	substance or mixture and uses advised against
Recommended use	Building and construction work
Uses advised against	None known
1.3. Details of the supplier of the s	afety data sheet
Company Name Bostik Industries Limited Newtown, Swords Co. Dublin Ireland Tel: +353 (1) 8624900 Fax: +353 (1) 8402186	
E-mail address	SDS.box-EU@bostik.com
1.4. Emergency telephone number	_
Ireland	<b>NPIC - National Poison Information Centre</b> Members of the Public: +353 (01) 8092166 (8.00 am to 10.00 pm - 7 days a week) Healthcare Professionals: +353 (01) 8092566 (24 hour service)
United Kingdom Europe	Bostik: +44 (1785) 272650 (9am to 5pm Mon-Fri) 112
SECTION 2: Hazards identifi	cation

## 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin corrosion/irritation	Category 2 - (H315)
Serious eye damage/eye irritation	Category 1 - (H318)
Skin sensitisation	Category 1 - (H317)

### 2.2. Label elements

**Contains Portland Cement** 

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Signal word Danger

### Hazard statements

H315 - Causes skin irritation H317 - May cause an allergic skin reaction H318 - Causes serious eye damage

# 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

P261 - Avoid breathing dust

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

P362 + P364 - Take off contaminated clothing and wash it before reuse

P402 - Store in a dry place

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

## Additional information

Cement product for which the amount of chromium VI was decreased to < 0,0002 % by a reduction agent (related to the total dry weight).

### 2.3. Other hazards

When cement reacts with water a strong alkaline solution is produced. Prolonged contact with wet cement or wet concrete may cause serious burns because they develop without pain being felt e.g. when kneeling in wet cement even when wearing trousers. Frequent inhalation of large quantities of cement dust over a long period of time increases the risk of developing lung disease. Product dust may be irritating to eyes, skin and respiratory system. Repeated exposure may cause skin dryness or cracking.

## PBT & vPvB

The components in this formulation do not meet the criteria for classification as PBT or 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
Quartz	238-878-4	14808-60-7	[B]	-	-	-	[5]

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40 - <80 %							
Portland Cement 10 - <20 %	266-043-4	65997-15-1	STOT SE 3 (H335) Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Skin Sens. 1 (H317)	-	-	-	[5]

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

NOTE [5] - This substance is exempted from registration according to the provisions of Article 2(7)(a) and Annex V of REACH

<u>Classification according to Regulation (EC) No. 1272/2008 [CLP] - Notes</u> [B] - Substance with a Community workplace exposure limit

Acute Toxicity Estimate No information available

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	Inhalation LC50 - 4 hour - gas - ppm
Quartz	238-878-4	14808-60-7	-	-	-	-	-
Portland Cement	266-043-4	65997-15-1	-	-	-	-	-

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

# SECTION 4: First aid measures

## 4.1. Description of first aid measures

General advice	If medical advice is needed, have product container or label at hand. Take a copy of the Safety Data Sheet when going for medical treatment.
Inhalation	Remove to fresh air. Get medical attention immediately if symptoms occur.
Eye contact	Do not rub affected area. 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	Brush off loose particles from skin. Remove material from skin immediately. Take off contaminated clothing and wash it before reuse.
Ingestion	Rinse mouth. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a doctor.
Self-protection of the first aider	Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).
4.2. Most important symptoms and	d effects, both acute and delayed
Symptoms	Burning sensation. Itching. Rashes. Hives. Dust irritates eyes and air passages. Causes serious eye damage. Irritating to skin. Inhalation of dust in high concentration may cause irritation of respiratory system. Frequent inhalation of large quantities of cement dust over a long period of time increases the risk of developing lung disease. When cement reacts with water a strong alkaline solution is produced. Prolonged contact with wet cement or

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	wet concrete may cause serious burns because they develop without pain being felt e.g. when kneeling in wet cement even when wearing trousers.
Effects of Exposure	No information available.
4.3. Indication of any immediate me	edical attention and special treatment needed
Note to doctors	May cause sensitisation in susceptible persons. Treat symptomatically.
SECTION 5: Firefighting mea	asures
5.1. Extinguishing media	
Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media	No information available.
5.2. Special hazards arising from the	ne substance or mixture
Specific hazards arising from the chemical	Product is or contains a sensitiser. May cause sensitisation by skin contact.
Hazardous combustion products	Carbon oxides. Sulphur oxides.
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 relea	ise measures
	ve equipment and emergency procedures
6.1. Personal precautions, protecti	ve equipment and emergency procedures
6.1. Personal precautions, protecti Personal precautions	ve equipment and emergency procedures Avoid generation of dust. Do not get in eyes, on skin, or on clothing. Use personal protective equipment as required.
6.1. Personal precautions, protecti Personal precautions Other information	ve equipment and emergency procedures Avoid generation of dust. Do not get in eyes, on skin, or on clothing. Use personal protective equipment as required. Refer to protective measures listed in Sections 7 and 8.
6.1. Personal precautions, protecti Personal precautions Other information For emergency responders	ve equipment and emergency procedures Avoid generation of dust. Do not get in eyes, on skin, or on clothing. Use personal protective equipment as required. Refer to protective measures listed in Sections 7 and 8.
6.1. Personal precautions, protecti Personal precautions Other information For emergency responders 6.2. Environmental precautions	ve equipment and emergency procedures Avoid generation of dust. Do not get in eyes, on skin, or on clothing. Use personal protective equipment as required. Refer to protective measures listed in Sections 7 and 8. Use personal protection recommended in Section 8. Prevent product from entering drains. Do not allow to enter into soil/subsoil.
6.1. Personal precautions, protecti Personal precautions Other information For emergency responders 6.2. Environmental precautions Environmental precautions	ve equipment and emergency procedures Avoid generation of dust. Do not get in eyes, on skin, or on clothing. Use personal protective equipment as required. Refer to protective measures listed in Sections 7 and 8. Use personal protection recommended in Section 8. Prevent product from entering drains. Do not allow to enter into soil/subsoil.
6.1. Personal precautions, protecti Personal precautions Other information For emergency responders 6.2. Environmental precautions Environmental precautions 6.3. Methods and material for conta	ve equipment and emergency procedures Avoid generation of dust. Do not get in eyes, on skin, or on clothing. Use personal protective equipment as required. Refer to protective measures listed in Sections 7 and 8. Use personal protection recommended in Section 8. Prevent product from entering drains. Do not allow to enter into soil/subsoil. ainment and cleaning up Cover powder spill with plastic sheet or tarp to minimise spreading and keep powder dry.
6.1. Personal precautions, protecti Personal precautions Other information For emergency responders 6.2. Environmental precautions Environmental precautions 6.3. Methods and material for conta Methods for containment	<ul> <li>ve equipment and emergency procedures</li></ul>
6.1. Personal precautions, protecti Personal precautions Other information For emergency responders 6.2. Environmental precautions Environmental precautions 6.3. Methods and material for conta Methods for containment Methods for cleaning up	<ul> <li>ve equipment and emergency procedures</li> <li>Avoid generation of dust. Do not get in eyes, on skin, or on clothing. Use personal protective equipment as required.</li> <li>Refer to protective measures listed in Sections 7 and 8.</li> <li>Use personal protection recommended in Section 8.</li> <li>Prevent product from entering drains. Do not allow to enter into soil/subsoil.</li> <li>ainment and cleaning up</li> <li>Cover powder spill with plastic sheet or tarp to minimise spreading and keep powder dry. Prevent dust cloud.</li> <li>Do not dry sweep dust. Wet dust with water before sweeping or use a vacuum to collect dust. Use appropriate personal protective equipment (PPE). Carefully shovel or sweep up spilled material and place in suitable container. Avoid generating dust.</li> </ul>

# SECTION 7: Handling and storage

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# 7.1. Precautions for safe handling Advice on safe handling Ensure adequate ventilation. Avoid generation of dust. Use personal protection equipment. Take off contaminated clothing and wash it before reuse. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. General hygiene considerations Do not eat, drink or smoke when using this product. 7.2. Conditions for safe storage, including any incompatibilities Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. **Storage Conditions** Keep out of the reach of children. Keep the packing dry and well sealed to prevent contamination and absorption of humidity. Protect from moisture. 7.3. Specific end use(s) Specific use(s) Building and construction work. 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**

Chemical name	European Union	Ireland	United Kingdom
Quartz	TWA: 0.1 mg/m <sup>3</sup>	TWA: 0.1 mg/m <sup>3</sup>	TWA: 0.1 mg/m <sup>3</sup>
14808-60-7	_	STEL: 0.3 mg/m <sup>3</sup>	STEL: 0.3 mg/m <sup>3</sup>
Portland Cement	-	TWA: 1 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>
65997-15-1		STEL: 3 mg/m <sup>3</sup>	TWA: 4 mg/m <sup>3</sup>
		_	STEL: 30 mg/m <sup>3</sup>
			STEL: 12 mg/m <sup>3</sup>
Limestone	-	TWA: 10 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>
1317-65-3		TWA: 4 mg/m <sup>3</sup>	TWA: 4 mg/m <sup>3</sup>
		STEL: 30 mg/m <sup>3</sup>	STEL: 30 mg/m <sup>3</sup>
		STEL: 12 mg/m <sup>3</sup>	STEL: 12 mg/m <sup>3</sup>
Calcium sulfate	-	TWA: 10 mg/m <sup>3</sup>	
7778-18-9		STEL: 30 mg/m <sup>3</sup>	
Dust	-	TWA: 10 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>
RR-12364-8		TWA: 4 mg/m <sup>3</sup>	TWA: 4 mg/m <sup>3</sup>
		-	STEL: 30 mg/m <sup>3</sup>
			STEL: 12 mg/m <sup>3</sup>

Derived No Effect Level (DNEL) No information available

# Predicted No Effect Concentration (PNEC)

8.2. Exposure controls

**Engineering controls** 

Ensure adequate ventilation, especially in confined areas. Ensure that enough fresh air is supplied to dilute and remove dusts, fumes or vapours. Between 5 and 15 air changes per hour are recommended, with a through draught.

### Personal protective equipment

Eye/face protection

Tight sealing safety goggles. Face protection shield. Wear safety glasses with side

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Hand protection	shields (or goggles). Eye protection must conform to standard EN 166 Wear protective gloves. Gloves must conform to standard EN 374. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. The breakthrough time of the gloves depends on the material and the thickness as well as the temperature. Gloves should be replaced regularly and if there is any sign of damage to the glove material. For operations where prolonged or repeated skin contact may occur, impervious gloves should be worn. Gloves made of plastic or rubber.
Skin and body protection	Avoid contact with skin, eyes or clothing. Wear appropriate personal protective clothing to prevent skin contact.
Respiratory protection	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required. Avoid generation of dust. Possible nuisance dust.
Recommended filter type:	Wear a respirator conforming to EN 140 with Type P2/P3 filter or better.

Environmental exposure controls Do not allow into any sewer, on the ground or into any body of water.

# SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

9.1. Information on basic physical	Solid	
Physical state	Powder	
Appearance Colour	No information available	
Odour	No information available.	
Odour	No mormation available.	
Property_	Values	Remarks • Method
Melting point / freezing point	Not applicable .	
Initial boiling point and boiling	Not applicable .	
range		
Flammability	No data available	None known
Flammability Limit in Air		None known
Upper flammability or explosive	No data available	
limits		
Lower flammability or explosive	No data available	
limits		
Flash point	Not applicable .	
Autoignition temperature	No data available	None known
Decomposition temperature		None known
pH		
pH (as aqueous solution)	No data available	None known
Kinematic viscosity	Not applicable . mm <sup>2</sup> /s	
Dynamic viscosity	Not applicable .	
Water solubility	No data available. Cement based	
	products react and solidify in contact	
	with water	
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	No data available	
Relative vapour density	No data available	None known
Particle characteristics		
Particle Size	No information available	
Particle Size Distribution	No information available	
9.2. Other information		
Solid content (%)	100	
Softening point	Not relevant	
VOC content	No data ava	ilable

9.2.1. Information with regards to physical hazard classes

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#### Not applicable

9.2.2. Other safety characteristics No information available Not applicable .

# SECTION 10: Stability and reactivity 10.1. Reactivity Product cures with moisture. Reactivity 10.2. Chemical stability Stability Keep away from Incompatible materials. Stable under recommended storage conditions. **Explosion data** Sensitivity to mechanical None. impact Sensitivity to static discharge None. 10.3. Possibility of hazardous reactions Possibility of hazardous reactions None under normal processing. 10.4. Conditions to avoid Conditions to avoid Product cures with moisture. Protect from moisture. 10.5. Incompatible materials Incompatible materials Strong acids. Strong bases. Strong oxidising agents. Acids. Aluminium. 10.6. Hazardous decomposition products Hazardous decomposition None under normal use conditions. Stable under recommended storage conditions. products **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	Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.
Eye contact	Specific test data for the substance or mixture is not available. Causes serious eye damage. May cause irreversible damage to eyes.
Skin contact	Specific test data for the substance or mixture is not available. May cause sensitisation by skin contact. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. (based on components). Causes skin irritation.
Ingestion	Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

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

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Symptoms

Redness. Burning. May cause blindness. Itching. Rashes. Hives. May cause redness and tearing of the eyes.

Acute toxicity

Numerical measures of toxicity

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

ATEmix (oral)	>2000 mg/kg
ATEmix (dermal)	>2000 mg/kg
ATEmix (inhalation-gas)	>20000 ppm
ATEmix (inhalation-dust/mist)	>5 mg/l
ATEmix (inhalation-vapour)	>20 mg/l

# **Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Quartz	>2000 mg/kg (Rattus)	-	-
Portland Cement	LD50 >2000 mg/Kg (Rattus)	LD50 >2000 mg/Kg	-

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

Skin corrosion/irritation	Classification based on data available for ingredients. Causes skin irritation.	
Serious eye damage/eye irritation	Classification based on data available for ingredients. Causes burns. Causes serious eye damage.	
Respiratory or skin sensitisation	May cause an allergic skin reaction.	
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.	
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 hazards		
11.2.1. Endocrine disrupting properties		
Endocrine disrupting properties	No information available.	
11.2.2. Other information		

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Other adverse effects	No information available.		
SECTION 12: Ecological information			
<u>12.1. Toxicity</u>			
Ecotoxicity			
12.2. Persistence and degradability			
Persistence and degradability	No information available.		
12.3. Bioaccumulative potential			
Bioaccumulation	There is no data for this product.		
<u>12.4. Mobility in soil</u>			
Mobility in soil         No information available.           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.		
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 in accordance with local regulations. Dispose of waste in accordance with environmental legislation.
Contaminated packaging	Do not reuse empty containers.
European Waste Catalogue	<ul> <li>17 09 04 mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03</li> <li>10 13 06 particulates and dust (except 10 13 12 and 10 13 13)</li> <li>Cured product can be treated as construction waste. In the management of larger quantities consult with local authorities and local waste disposal company</li> <li>10 13 14 waste concrete and concrete sludge</li> </ul>
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)

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<ul> <li>14.1 UN number or ID number</li> <li>14.2 UN proper shipping name</li> <li>14.3 Transport hazard class(es)</li> <li>14.4 Packing group</li> <li>14.5 Environmental hazards</li> <li>14.6 Special precautions for user Special Provisions</li> </ul>	Not regulated - Not regulated Not applicable None		
IMDG			
14.1 UN number or ID number	Not regulated		
14.2 UN proper shipping name	Not regulated		
14.3 Transport hazard class(es)	Not regulated		
14.4 Packing group	Not regulated		
14.5 Marine pollutant	NP		
14.6 Special precautions for user			
Special Provisions	None		
14.7 Maritime transport in bulk			
according to IMO instruments			
I ransport in bulk according to	Annex II of MARPOL and the IBC Code Not applicable	е	
Air transport (ICAO-TI / IATA-DGR)	<u>_</u>		
14.1 UN number or ID number	Not regulated		
14.2 UN 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		

14.5Environmental hazardsNot applicable14.6Special precautions for user<br/>Special ProvisionsNone

# 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.

Take note of Directive 92/85/EC on the protection of pregnant and breastfeeding women at work

### Registration, Evaluation, Authorisation, 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 contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

Chemical name	CAS No.	Restricted substance per REACH Annex XVII
Portland Cement	65997-15-1	Use restricted. See entry 47.

**47** where product supplied with reducing agent the packaging must be marked with the storage conditions and storage period appropriate to maintaining the activity of the reducing agent to keep the content of soluble chromium VI below 2mg/Kg.

### Substance subject to authorisation per REACH Annex XIV

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

### **Export Notification requirements**

This product does not contain substances which are regulated pursuant to Regulation (EC) No. 649/2012 of the European parliament and of the council concerning the export and import of dangerous chemicals above the level that triggers a labeling obligation under Regulation (EC) No 1272/2008. Therefore this product is not subject to prior informed consent notification.

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

**Persistent Organic Pollutants** 

Not applicable

# REGULATION (EU) 2019/1148 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 20 June 2019 on the marketing and use of explosives precursors

Not applicable

### National regulations

### 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

H315 - Causes skin irritation

H317 - May cause an allergic skin reaction

H318 - Causes serious eye damage

H335 - May cause respiratory irritation

SVHC: Substances of Very High Concern for Authorisation:

PBT: Persistent, Bioaccumulative, and Toxic (PBT) Substances

- vPvB: Very Persistent and very Bioaccumulative (vPvB) Substances
- 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
Ceiling	Maximum limit value	Sk*	Skin designation

Classification procedure	
Classification according to Regulation (EC) No. 1272/2008 [CLP]	Method Used
Acute oral toxicity	Calculation method
Acute dermal toxicity	Calculation method

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Acute inhalation toxicity - gas	Calculation method
Acute inhalation toxicity - vapour	Calculation method
Acute inhalation toxicity - dust/mist	Calculation method
Skin corrosion/irritation	Calculation method
Serious eye damage/eye irritation	Calculation method
Respiratory sensitisation	Calculation method
Skin sensitisation	Calculation method
Mutagenicity	Calculation method
Carcinogenicity	Calculation method
Reproductive toxicity	Calculation method
STOT - single exposure	Calculation method
STOT - repeated exposure	Calculation method
Acute aquatic toxicity	Calculation method
Chronic aquatic toxicity	Calculation method
Aspiration hazard	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 (ECHA) Committee for Risk Assessment (ECHA\_RAC) European Chemicals Agency (ECHA) (ECHA\_API) 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	10-Sep-2024
Training Advice	No information available
Further information	No information available

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

Regulation (EC) No. 1907/2006 as amended by Regulation (EU) No. 2020/878, and Regulation (EC) No. 1272/2008

### 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