

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 EPOXY FILLER** Supercedes Date: 27-Dec-2022 Revision date 25-Jan-2023 Revision Number 1.02

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

1.1. Product identifier	
Product Name	BOSTIK EPOXY FILLER
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 sa	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

Skin corrosion/irritation	Category 2 - (H315)
Serious eye damage/eye irritation	Category 2 - (H319)
Skin sensitisation	Category 1 - (H317)
Chronic aquatic toxicity	Category 3 - (H412)

### 2.2. Label elements

Contains Bisphenol-A-Epichlorhydrin Epoxy resin <= 700 MW



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Signal word Warning

Hazard statements

H315 - Causes skin irritation

H317 - May cause an allergic skin reaction

H319 - Causes serious eye irritation

H412 - Harmful to aquatic life with long lasting effects

### EU Specific Hazard Statements

EUH205 - Contains epoxy constituents. May produce an allergic reaction

### 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 vapours
P280 - Wear protective gloves
P302 + P352 - IF ON SKIN: Wash with plenty of water and soap
P501 - Dispose of contents/ container to an approved waste disposal plant

### 2.3. Other hazards

No information available.

### 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	CAS No.	Classification	Specific	M-Factor	M-Factor	REACH
	Index No).		according to	concentration limit		(long-ter	registration
			Regulation (EC) No.	(SCL)		m)	number
			1272/2008 [CLP]				
Bisphenol-A-Epichlorhyd	500-033-5	25068-38-6	Skin Irrit. 2 (H315)	Eye Irrit. 2 :: C>=5%	-	-	01-2119456619-
rin Epoxy resin <= 700			Eye Irrit. 2 (H319)	Skin Irrit. 2 :: C>=5%			26-xxxx
MW			Skin Sens. 1 (H317)				
20 - 25 %			Aquatic Chronic 2 (H411)				
2,4,6-Tri(dimethylamino	(603-069-00-	90-72-2	Acute Tox. 4 (H302)	-	-	-	01-2119560597-
methyl)phenol	0)		Skin Irrit. 2 (H315)				27-XXXX
1 - <3 %	202-013-9		Eye Irrit. 2 (H319)				

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

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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	
Bisphenol-A-Epichlorhy drin Epoxy resin <= 700 MW		25068-38-6	-	-	-	-	-
2,4,6-Tri(dimethylamino methyl)phenol	(603-069-00-0) 202-013-9	90-72-2	1999	-	-	-	-

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	Show this safety data sheet to the doctor in attendance.			
Inhalation	Remove to fresh air. Get medical attention immediately if symptoms occur.			
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if irritation develops and persists.			
Skin contact	May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a doctor. Wash off immediately with soap and plenty of water for at least 15 minutes.			
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	No information available.			
4.3. Indication of any immediate medical attention and special treatment needed				
Note to doctors	No information available.			
SECTION 5: Firefighting me	asures			
5.1. Extinguishing media				
Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.			
Unsuitable extinguishing media	Full water jet. 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	Product is or contains a sensitiser. May cause sensitisation by skin contact.			

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chemical	_
Hazardous combustion products	No information available.
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	ase measures
6.1. Personal precautions, protecti	ve equipment and emergency procedures
Personal precautions	Avoid contact with skin, eyes or clothing.
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	Do not flush into surface water or sanitary sewer system.
6.3. Methods and material for cont	ainment and cleaning up
Methods for containment	Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.
Methods for cleaning up	Take up mechanically, placing in appropriate containers for disposal.
Prevention of secondary hazards	Clean contaminated objects and areas thoroughly observing environmental regulations.
6.4. Reference to other sections	
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	Ensure adequate ventilation.
General hygiene considerations	Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Wash hands before breaks and after work.
7.2. Conditions for safe storage, in	cluding any incompatibilities
Storage Conditions	Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep out of the reach of children.
Recommended storage temperature	Keep at temperatures between 5 and 25 °C.
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 controls/personal protection

### 8.1. Control parameters

Exposure Limits

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)				
Bisphenol-A-Epichlorhydrin Epoxy resin <= 700 MW (25068-38-6)				
Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor	
worker Short term Systemic health effects	Dermal	8.33 mg/kg bw/d		
worker Long term Systemic health effects	Dermal	8.33 mg/kg bw/d		
worker Short term Systemic health effects	Inhalation	12.25 mg/kg bw/d		

Derived No Effect Level (DN	EL)		
<b>Bisphenol-A-Epichlorhydrin</b>	Epoxy resin <= 700 MW (25	068-38-6)	
Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor
Consumer Short term Systemic health effects	Dermal	3.571 mg/kg bw/d	
Consumer Short term Systemic health effects	Oral	0.75 mg/kg bw/d	
Consumer Long term Systemic health effects	Dermal	3.571 mg/kg bw/d	
Consumer Long term Systemic health effects	Oral	0.75 mg/kg bw/d	

# Predicted No Effect Concentration (PNEC)

Predicted No Effect Concentration (PNEC)		
Bisphenol-A-Epichlorhydrin Epoxy resin <= 700 MW (25068-38-6)		
Environmental compartment	Predicted No Effect Concentration (PNEC)	
Freshwater	0.006 mg/l	
Marine water	0.0006 mg/l	
Freshwater sediment	0.996 mg/l	
Marine sediment	0.0996 mg/l	
Soil	0.196 mg/l	

### 8.2. Exposure controls

**Engineering controls** 

Ensure adequate ventilation, especially in confined areas.

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#### Personal protective equipment Eye/face protection Wear safety glasses with side shields (or goggles). Recommended Use:. Nitrile rubber. Butyl rubber. Glove thickness > 0.7mm. The Hand protection 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. 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. Unsuitable gloves materials:. Disposable gloves. Leather. Gloves must conform to standard EN 374 Wear suitable protective clothing. Skin and body protection **Respiratory protection** None under normal use conditions.

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

9.1. Information on basic physical		
Physical state	Solid	
Appearance	Paste	
Colour	Dark Grey	
Odour	No information available.	
Odour threshold	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	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	> 100 °C	None known
Autoignition temperature	No data available	None known
Decomposition temperature		None known
pH .	No data available	Not applicable.
pH (as aqueous solution)	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	
Water solubility	Immiscible in water.	None known
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	
Liquid Density	1.9 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	
0.2. Other information		
9.2. Other information	12 E	
Solid content (%)	43.5	Ne data available
VOC content		No data available

9.2.1. Information with regards to physical hazard classes Not applicable

9.2.2. Other safety characteristics

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No information available

SECTION 10: Stability and re	eactivity
10.1. Reactivity	
Reactivity	No information available.
10.2. Chemical stability	
Stability	Stable under normal conditions.
Explosion data	
Sensitivity to mechanical impact	None.
•	None.
10.3. Possibility of hazardous reac	tions
Possibility of hazardous reactions	None under normal processing.
Hazardous polymerisation	No information available.
10.4. Conditions to avoid	
Conditions to avoid	None known based on information supplied.
10.5. Incompatible materials	
Incompatible materials	No information available.
10.6. Hazardous decomposition pro	oducts
Hazardous decomposition products	None under normal use conditions. Stable under recommended storage conditions.
SECTION 11: Toxicological i	nformation
11.1. Information on hazard class	es as defined in Regulation (EC) No 1272/2008
Information on likely routes of exp	osure_
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 irritation. (based on components). May cause redness, itching, and pain.

Skin contactMay cause sensitisation by skin contact. Specific test data for the substance or mixture is<br/>not available. Repeated or prolonged skin contact may cause allergic reactions with<br/>susceptible persons. (based on components). Causes skin irritation.

IngestionSpecific test data for the substance or mixture is not available. Ingestion may cause<br/>gastrointestinal irritation, nausea, vomiting and diarrhoea.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms

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Acute toxicity

### Numerical measures of toxicity

The following values are ca	culated based on chapter 3.1 of the GHS document
ATEmix (oral)	79,960.00 mg/kg
ATEmix (dermal)	51,200.00 mg/kg

### **Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Bisphenol-A-Epichlorhydrin	LD50 (Rattus) > 2000 mg/kg	>2000 mg/Kg (Rattus)	-
Epoxy resin <= 700 MW	OECD 420		
2,4,6-Tri(dimethylaminomethyl)	=2169 mg/kg (Rattus)	> 1 ml/kg (Rattus)	-
phenol			

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

Skin corrosion/irritation	Irritating to skin.		
Serious eye damage/eye irritation	Causes serious eye irritation.		
Respiratory or skin sensitisation	May cause sensitisation by skin contact.		
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			
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 plants	Fish	Toxicity to microorganisms	Crustacea	M-Factor	M-Factor (long-term)
Bisphenol-A-Epichlorhy drin Epoxy resin <= 700 MW 25068-38-6		(Oncorhynchus mykiss)	-	2.7 mg/l 48hr Daphia Magna		
2,4,6-Tri(dimethylamino				-		
methyl)phenol 90-72-2	mg/L (Desmodesmus	mg/L (Cyprinus carpio)				
90-72-2	subspicatus) OECD 201	carpio)				

### 12.2. Persistence and degradability

Persistence and degradability No information available.

### 12.3. Bioaccumulative potential

#### Bioaccumulation

### **Component Information**

Chemical name	Partition coefficient
Bisphenol-A-Epichlorhydrin Epoxy resin <= 700 MW	3.26
2,4,6-Tri(dimethylaminomethyl)phenol	0.219

### 12.4. Mobility in soil

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.

Chemical name	PBT and vPvB assessment
Bisphenol-A-Epichlorhydrin Epoxy resin <= 700 MW	The substance is not PBT / vPvB
2,4,6-Tri(dimethylaminomethyl)phenol	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 Dispose of waste in accordance with environmental legislation. Dispose of in accordance

products	with local regulations.
Contaminated packaging	Do not reuse empty containers.
European Waste Catalogue	08 04 09* waste adhesives and sealants containing organic solvents or other 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 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
IMDG_	
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 Marine pollutant	NP
14.6 Special Provisions	None
14.7 Maritime transport in bulk	Not applicable
according to IMO instruments	
5	
Air transport (ICAO-TI / IATA-DGR)	<u>)</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

# Section 15: REGULATORY INFORMATION

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

### European Union

14.6 Special Provisions

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

None

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

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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)

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

Persistent Organic Pollutants Not applicable

#### National regulations

**France** 

#### <u>Germany</u>

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>

Special care should be applied for employees under the age of 18. Young people under the age of 18 may not carry out any work causing harmful exposure to this product. AFS 2012:3 AFS 2011: 19 - Chemical working environment risks (Amended and reprinted in AFS 2014: 43), §§37a-g

DenmarkRegistration number(s) (P-no.)No information availableMAL-Code00-5NorwayRegistration number(s) (PRN-no.)303034

### 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

H302 - Harmful if swallowed H315 - Causes skin irritation

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H317 - May cau	ise an allergic skin reaction			
	319 - Causes serious eye irritation			
H411 - Toxic to aquatic life with long lasting effects				
PBT: Persisten vPvB: Very Pe STOT RE: Spe STOT SE: Spe EWC: Europea LOW: List of V ADR: Europea IATA: Internation ICAO: ICAO-T IMDG: Internation	Acces of Very High Concern for Authorisation: it, Bioaccumulative, and Toxic (PBT) Chemicals rsistent and very Bioaccumulative (vPvB) Chemicals cific target organ toxicity - Repeated exposure cific target organ toxicity - Single exposure in Waste Catalogue Vastes (see http://ec.europa.eu/environment/waste/f n Agreement concerning the International Carriage of onal Air Transport Association 1: Technical Instructions for the Safe Transport of Da ional Maritime Dangerous Goods ons concerning the International Carriage of Dangerous	ramework/list. of Dangerous angerous Goo	Goods by Road ods by Air	
Legend SECT	ION 8: Exposure controls/personal protection			
	TV/A (time weighted everges)	EL	STEL (Short Term Exposure Limit)	
TWA				
TWA AGW	Occupational exposure limit value BG	W	Biological limit value	
		W		
TWA AGW Ceiling	Occupational exposure limit value BG <sup>1</sup> Maximum limit value *	W	Biological limit value	
TWA AGW Ceiling Classification p	Occupational exposure limit value BG <sup>1</sup> Maximum limit value *	W Method Use	Biological limit value Skin designation	
TWA AGW Ceiling Classification p	Occupational exposure limit value BG' Maximum limit value * rocedure ccording to Regulation (EC) No. 1272/2008 [CLP]		Biological limit value Skin designation	
TWA AGW Ceiling Classification p Classification a Acute oral toxic Acute dermal to	Occupational exposure limit value BG' Maximum limit value * rocedure ccording to Regulation (EC) No. 1272/2008 [CLP] ity poxicity	Method Use	Biological limit value Skin designation ed method	
TWA AGW Ceiling Classification p Classification a	Occupational exposure limit value BG' Maximum limit value * rocedure ccording to Regulation (EC) No. 1272/2008 [CLP] ity poxicity	Method Use Calculation	Biological limit value Skin designation ed method method	
TWA AGW Ceiling Classification p Classification a Acute oral toxic Acute dermal to Acute inhalation	Occupational exposure limit value BG' Maximum limit value * rocedure ccording to Regulation (EC) No. 1272/2008 [CLP] ity poxicity	Method Use Calculation Calculation	Biological limit value Skin designation ed method method method	
TWA AGW Ceiling Classification p Classification a Acute oral toxic Acute dermal to Acute inhalation Acute inhalation	Occupational exposure limit value BG' Maximum limit value * rocedure ccording to Regulation (EC) No. 1272/2008 [CLP] ity particity n toxicity - gas	Method Use Calculation Calculation Calculation	Biological limit value Skin designation ed method method method method method	
TWA AGW Ceiling Classification p Classification a Acute oral toxic Acute dermal to Acute inhalation Acute inhalation	Occupational exposure limit value BG' Maximum limit value * rocedure ccording to Regulation (EC) No. 1272/2008 [CLP] ity poxicity n toxicity - gas n toxicity - Vapour n toxicity - dust/mist	Method Use Calculation Calculation Calculation Calculation	Biological limit value Skin designation ed method method method method method method method	
TWA AGW Ceiling Classification p Classification a Acute oral toxic Acute oral toxic Acute inhalation Acute inhalation Acute inhalation Skin corrosion/ Serious eye da	Occupational exposure limit value BG' Maximum limit value * rocedure ccording to Regulation (EC) No. 1272/2008 [CLP] ity oxicity n toxicity - gas n toxicity - Vapour n toxicity - dust/mist rritation mage/eye irritation	Method Use Calculation Calculation Calculation Calculation Calculation	Biological limit value Skin designation ed method method method method method method method	
TWA AGW Ceiling Classification p Classification a Acute oral toxic Acute oral toxic Acute dermal to Acute inhalation Acute inhalation Acute inhalation Skin corrosion/	Occupational exposure limit value BG' Maximum limit value * rocedure ccording to Regulation (EC) No. 1272/2008 [CLP] ity oxicity n toxicity - gas n toxicity - Vapour n toxicity - dust/mist rritation mage/eye irritation	Method Use Calculation Calculation Calculation Calculation Calculation Calculation	Biological limit value Skin designation ed method method method method method method method method method	
TWA AGW Ceiling Classification p Classification a Acute oral toxic Acute oral toxic Acute dermal to Acute inhalation Acute inhalation Acute inhalation Skin corrosion/ Serious eye da	Occupational exposure limit value       BG'         Maximum limit value       *         rocedure       *         ccording to Regulation (EC) No. 1272/2008 [CLP]       *         ity       *         oxicity       *         n toxicity - gas       *         n toxicity - Vapour       *         n toxicity - dust/mist       *         rritation       *         mage/eye irritation       *	Method Use Calculation Calculation Calculation Calculation Calculation Calculation Calculation	Biological limit value Skin designation ed method method method method method method method method method method method method	
TWA AGW Ceiling Classification p Classification a Acute oral toxic Acute oral toxic Acute inhalation Acute inhalation Acute inhalation Skin corrosion/ Serious eye da Respiratory ser	Occupational exposure limit value       BG'         Maximum limit value       *         rocedure       *         ccording to Regulation (EC) No. 1272/2008 [CLP]       *         ity       *         oxicity       *         n toxicity - gas       *         n toxicity - Vapour       *         n toxicity - dust/mist       *         rritation       *         mage/eye irritation       *	Method Use Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation	Biological limit value Skin designation ed method method method method method method method method method method method method method	
TWA AGW Ceiling Classification p Classification a Acute oral toxic Acute oral toxic Acute dermal to Acute inhalation Acute inhalation Acute inhalation Skin corrosion/ Serious eye da Respiratory ser Skin sensitisation mutagenicity	Occupational exposure limit value BG' Maximum limit value * rocedure ccording to Regulation (EC) No. 1272/2008 [CLP] ity poxicity n toxicity - gas n toxicity - Vapour n toxicity - dust/mist irritation mage/eye irritation sitisation on	Method Use Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation	Biological limit value Skin designation ed method method method method method method method method method method method method method method	
TWA AGW Ceiling Classification p Classification a Acute oral toxic Acute dermal to Acute inhalation Acute inhalation Acute inhalation Skin corrosion/ Serious eye da Respiratory ser Skin sensitisation	Occupational exposure limit value BG' Maximum limit value * rocedure ccording to Regulation (EC) No. 1272/2008 [CLP] ity poxicity n toxicity - gas n toxicity - Vapour n toxicity - dust/mist rritation mage/eye irritation sitisation on	Method Use Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation Calculation	Biological limit value Skin designation ed method method method method method method method method method method method method method method method method method method	
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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) (AEGL(s)) International Uniform Chemical Information Database (IUCLID) National Institute of Technology and Evaluation (NITE)

25-Jan-2023

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

Product Safety & Regulatory Affairs

**Prepared By** 

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Training Advice	No information available
Training / arree	Tto information available

Further information

No information available

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

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End of Safety Data Sheet