

## SAFETY DATA SHEET

## Epoxy voor temperaturen tot 130 graden (basis)

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

**1.1. Product identifier**

## Trade name

Epoxy voor temperaturen tot 130 graden (basis)

## Product no.

EP302

## Unique formula identifier (UFI)

R740-K062-T00X-3W9T

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

## Relevant identified uses of the substance or mixture

Epoxy binder

## Uses advised against

No special

**1.3. Details of the supplier of the safety data sheet**

## Company and address

**Polyestershoppen BV**

Oostbaan 680

2841 ML Moordrecht

Netherlands

+31 85 0220090

## Contact person

-

## E-mail

info@polyestershoppen.nl

## Revision

16/06/2022

## SDS Version

1.0

**1.4. Emergency telephone number**

Contact The National Poisons Information Service (dial 111, 24 h service).

See section 4 "First aid measures".

## SECTION 2: Hazards identification

**2.1. Classification of the substance or mixture**

Skin Irrit. 2; H315, Causes skin irritation.

Skin Sens. 1; H317, May cause an allergic skin reaction.

Eye Irrit. 2; H319, Causes serious eye irritation.

Aquatic Chronic 2; H411, Toxic to aquatic life with long lasting effects.

**2.2. Label elements**

## Hazard pictogram(s)



**Signal word**

Warning

**Hazard statement(s)**

- Causes skin irritation. (H315)
- May cause an allergic skin reaction. (H317)
- Causes serious eye irritation. (H319)
- Toxic to aquatic life with long lasting effects. (H411)

**Safety statement(s)**

**General**

- If medical advice is needed, have product container or label at hand. (P101)
- Keep out of reach of children. (P102)

**Prevention**

- Avoid breathing mist/vapour. (P261)
- Wash hands thoroughly after handling. (P264)
- Wear eye protection/protective gloves/protective clothing. (P280)

**Response**

- IF ON SKIN: Wash with plenty of water and soap. (P302+P352)
- If skin irritation or rash occurs: Get medical advice/attention. (P333+P313)

**Storage**

-

**Disposal**

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

**Hazardous substances**

- reaction product: bisphenol-A-(epichlorhydrin);epoxy resin (number average molecular weight ≤ 700)
- 1,3-Propanediol, 2-ethyl-2-(hydroxymethyl)-, polymer with 2-(chloromethyl)oxirane
- 1,4-bis(2,3 epoxypropoxy)butane;butanedioldiglycidyl ether
- Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol

**2.3. Other hazards**

**Additional labelling**

EUH205, Contains epoxy constituents. May produce an allergic reaction.

**Additional warnings**

Contains epoxy constituents. May produce an allergic reaction.  
 This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

**SECTION 3: Composition/information on ingredients**

**3.2. Mixtures**

Product/substance	Identifiers	% w/w	Classification	Note
reaction product: bisphenol-A-(epichlorhydrin);epoxy resin (number average molecular weight ≤ 700)	CAS No.: 25068-38-6 EC No.: 500-033-5 REACH: Index No.: 603-074-00-8	40-60%	EUH205 Skin Irrit. 2, H315 (SCL: 5.00 %) Skin Sens. 1, H317 Eye Irrit. 2, H319 (SCL: 5.00 %) Aquatic Chronic 2, H411	
1,3-Propanediol, 2-ethyl-2-(hydroxymethyl)-, polymer with 2-	CAS No.: 30499-70-8	15-25%	Skin Irrit. 2, H315 Skin Sens. 1, H317	

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

(chloromethyl)oxirane	EC No.: 608-489-8 REACH: Index No.:		Eye Irrit. 2, H319 Aquatic Chronic 3, H412
1,4-bis(2,3 epoxypropoxy)butane;butanedioldiglycidyl ether	CAS No.: 2425-79-8 EC No.: 219-371-7 REACH: Index No.: 603-072-00-7	15-25%	Acute Tox. 4, H312 Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Irrit. 2, H319 Acute Tox. 4, H332
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol	CAS No.: 9003-36-5 EC No.: 500-006-8 REACH: Index No.:	15-25%	Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 2, H411

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See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

#### Other information

No special

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

#### Inhalation

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

#### Skin contact

IF ON SKIN: Wash with plenty of water and soap.

Remove contaminated clothing and shoes. Ensure to wash exposed skin thoroughly with water and soap. DO NOT use solvents or thinners.

If skin irritation occurs: Get medical advice/attention.

#### Eye contact

Upon irritation of the eye: Remove contact lenses. Flush eyes immediately with plenty of water or isotonic water (20-30°C) for at least 5 minutes and continue until irritation stops. Make sure to flush under upper and lower eyelids. If irritation continues, contact a doctor. Continue flushing during transport.

#### Ingestion

Provide plenty of water for the person to drink and stay with him/her. In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the victim lean forward with head down to avoid inhalation of- or choking on vomited material.

#### Burns

Not applicable

### 4.2. Most important symptoms and effects, both acute and delayed

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or

lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

Sensitisation: This product contains substances, which may trigger allergic reaction upon dermal contact.

Manifestation of allergic reactions typically takes place within 12-72 hours after exposure.

#### 4.3. Indication of any immediate medical attention and special treatment needed

IF exposed or concerned:

Get immediate medical advice/attention.

##### Information to medics

Bring this safety data sheet or the label from this product.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.

Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

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

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Carbon oxides (CO / CO<sub>2</sub>).

### 5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.

## SECTION 6: Accidental release measures

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

Avoid direct contact with spilled substances.

### 6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc. In the event of leakage to the surroundings, contact local environmental authorities.

### 6.3. Methods and material for containment and cleaning up

Use sand, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations.

To the extent possible cleaning is performed with normal cleaning agents. Avoid use of solvents.

### 6.4. Reference to other sections

See section 13 on "Disposal considerations" in regard of handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

It is recommended to install waste collection trays in order to prevent emissions to the waste water system and surrounding environment.

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

### 7.2. Conditions for safe storage, including any incompatibilities

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

##### Recommended storage material

Keep only in original packaging.

##### Storage temperature

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Room temperature 18 to 23°C

**Incompatible materials**

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

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

This product should only be used for applications quoted in section 1.2

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

**8.1. Control parameters**

No substances are listed in the national list of substances with an occupational exposure limit.

**DNEL**

1,4-bis(2,3 epoxypropoxy)butane;butanedioldiglycidyl ether

Duration	Route of exposure	DNEL
Long term – Systemic effects - General population	Dermal	5,56 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	9,26 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	0,48 mg/m <sup>3</sup>
Long term – Systemic effects - Workers	Inhalation	1,63 mg/m <sup>3</sup>
Long term – Systemic effects - General population	Oral	0,56 mg/kg bw/day

Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol

Duration	Route of exposure	DNEL
Long term – Systemic effects - General population	Dermal	62.5 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	104.15 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	8.7 mg/m <sup>3</sup>
Long term – Systemic effects - Workers	Inhalation	29.39 mg/m <sup>3</sup>
Long term – Systemic effects - General population	Oral	6.25 mg/kg bw/day

reaction product: bisphenol-A-(epichlorhydrin);epoxy resin (number average molecular weight ≤ 700)

Duration	Route of exposure	DNEL
Long term – Systemic	Dermal	8.33 mg/kg

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

effects - Workers		
Short term – Local effects - Workers	Dermal	8.33 mg/kg
Long term – Systemic effects - Workers	Inhalation	0.012 mg/L
Short term – Local effects - Workers	Inhalation	0.012 mg/L

## PNEC

### 1,4-bis(2,3 epoxypropoxy)butane;butanedioldiglycidyl ether

Route of exposure	Duration of Exposure	PNEC
Freshwater		24 µg/L
Freshwater sediment		84 µg/kg
Intermittent release		240 µg/L
Marine water		2,4 µg/L
Marine water sediment		8,4 µg/kg
Predators		28 µg/kg
Sewage treatment plant		100 mg/L
Soil		2,7 µg/kg

### Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol

Route of exposure	Duration of Exposure	PNEC
Freshwater	Single	0.003 mg/L
Freshwater sediment		0.294 mg/kg
Intermittent release	Single	0.025 mg/L
Marine water	Single	0 mg/L
Marine water sediment	Single	0.029 mg/kg
Sewage treatment plant	Single	10 mg/L
Soil	Single	0.237 mg/kg

### reaction product: bisphenol-A-(epichlorhydrin);epoxy resin (number average molecular weight ≤ 700)

Route of exposure	Duration of Exposure	PNEC
Freshwater	Single	0.006 mg/L
Freshwater sediment	Single	0.0627 mg/L
Marine water	Single	0.0006 mg/L
Marine water sediment	Single	0.00627 mg/L
Sewage treatment plant	Single	10 mg/L

## 8.2. Exposure controls

Control is unnecessary if the product is used as intended.

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

## General recommendations

Smoking, drinking and consumption of food is not allowed in the work area.

## Exposure scenarios

There are no exposure scenarios implemented for this product.

## Exposure limits

Occupational exposure limits have not been defined for the substances in this product.

## Appropriate technical measures

Apply standard precautions during use of the product. Avoid inhalation of vapours.

## Hygiene measures

Take off contaminated clothing and wash it before reuse.

## Measures to avoid environmental exposure

Keep damming materials near the workplace. If possible, collect spillage during work.

## Individual protection measures, such as personal protective equipment

### Generally

Use only UKCA marked protective equipment.

### Respiratory Equipment

Type	Class	Colour	Standards
Respiratory protection is not needed in the event of adequate ventilation	-	-	-

### Skin protection

Recommended	Type/Category	Standards
Dedicated work clothing should be worn	-	-



### Hand protection

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards
Nitrile	0,2	> 240	EN374-2, EN374-3, EN388



### Eye protection

Type	Standards
Safety glasses with side shields.	EN166



## SECTION 9: Physical and chemical properties

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

#### Physical state

Liquid

#### Colour

Yellowish

#### Odour / Odour threshold

Characteristic

#### pH

Testing not relevant or not possible due to nature of the product.

**Density (g/cm<sup>3</sup>)**

1.14

**Kinematic viscosity**

150-450 mPa.s (25 °C)

**Particle characteristics**

Does not apply to liquids.

**Phase changes**

**Melting point/Freezing point (°C)**

Testing not relevant or not possible due to nature of the product.

**Softening point/range (waxes and pastes) (°C)**

Does not apply to liquids.

**Boiling point (°C)**

>200

**Vapour pressure**

4 hPa (20 °C)

**Relative vapour density**

Testing not relevant or not possible due to nature of the product.

**Decomposition temperature (°C)**

Testing not relevant or not possible due to nature of the product.

**Data on fire and explosion hazards**

**Flash point (°C)**

>120

**Ignition (°C)**

Testing not relevant or not possible due to nature of the product.

**Auto flammability (°C)**

Testing not relevant or not possible due to nature of the product.

**Lower and upper explosion limit (% v/v)**

Testing not relevant or not possible due to nature of the product.

**Solubility**

**Solubility in water**

Insoluble

**n-octanol/water coefficient**

Testing not relevant or not possible due to nature of the product.

**Solubility in fat (g/L)**

Testing not relevant or not possible due to nature of the product.

**9.2. Other information**

**Other physical and chemical parameters**

No data available

**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

No data available

**10.2. Chemical stability**

The product is stable under the conditions, noted in section 7 "Handling and storage".

**10.3. Possibility of hazardous reactions**

No special

**10.4. Conditions to avoid**

No special

**10.5. Incompatible materials**

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

**10.6. Hazardous decomposition products**

The product is not degraded when used as specified in section 1.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute toxicity

Product/substance	reaction product: bisphenol-A-(epichlorhydrin);epoxy resin (number average molecular weight $\leq$ 700)
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	15000 mg/kg
Other information	
Product/substance	reaction product: bisphenol-A-(epichlorhydrin);epoxy resin (number average molecular weight $\leq$ 700)
Test method	
Species	Rat
Route of exposure	Dermal
Test	LD50
Result	23000 mg/kg
Other information	
Product/substance	1,3-Propanediol, 2-ethyl-2-(hydroxymethyl)-, polymer with 2-(chloromethyl)oxirane
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	>2000 mg/kg
Other information	
Product/substance	1,3-Propanediol, 2-ethyl-2-(hydroxymethyl)-, polymer with 2-(chloromethyl)oxirane
Test method	
Species	Rat
Route of exposure	Dermal
Test	LD50
Result	>2000 mg/kg
Other information	
Product/substance	1,4-bis(2,3 epoxypropoxy)butane;butanedioldiglycidyl ether

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Test method	OECD 401
Species	Rat
Route of exposure	Oral
Test	LD50
Result	1163 mg/kg
Other information	
Product/substance	1,4-bis(2,3 epoxypropoxy)butane;butanedioldiglycidyl ether
Test method	
Species	Rat
Route of exposure	Inhalation
Test	LC50 (4 hours)
Result	>11,3 mg/L
Other information	
Product/substance	1,4-bis(2,3 epoxypropoxy)butane;butanedioldiglycidyl ether
Test method	
Species	Rabbit
Route of exposure	Dermal
Test	LD50
Result	1130 mg/kg
Other information	
Product/substance	1,4-bis(2,3 epoxypropoxy)butane;butanedioldiglycidyl ether
Test method	OECD 402
Species	Rat
Route of exposure	Dermal
Test	LD50
Result	>2150 mg/kg
Other information	

#### Skin corrosion/irritation

Product/substance	reaction product: bisphenol-A-(epichlorhydrin);epoxy resin (number average molecular weight ≤ 700)
Test method	
Species	
Duration	
Result	Adverse effect observed (Irritating)

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Other information	
Product/substance	1,4-bis(2,3 epoxypropoxy)butane;butanedioldiglycidyl ether
Test method	OECD 404
Species	Rabbit
Duration	No data available.
Result	No adverse effect observed (Not irritating)
Other information	
Product/substance	1,4-bis(2,3 epoxypropoxy)butane;butanedioldiglycidyl ether
Test method	OECD 404
Species	Rabbit
Duration	
Result	No adverse effect observed (Not irritating)
Other information	
Product/substance	1,4-bis(2,3 epoxypropoxy)butane;butanedioldiglycidyl ether
Test method	OPP 81-5
Species	Rabbit
Duration	
Result	Adverse effect observed (Irritating)
Other information	
Product/substance	1,4-bis(2,3 epoxypropoxy)butane;butanedioldiglycidyl ether
Test method	OPP 81-5
Species	Rabbit
Duration	
Result	Adverse effect observed (Irritating)
Other information	
Product/substance	1,4-bis(2,3 epoxypropoxy)butane;butanedioldiglycidyl ether
Test method	
Species	Rabbit
Duration	24 hours
Result	Adverse effect observed (Moderately irritating)
Other information	

Causes skin irritation.

**Serious eye damage/irritation**

Product/substance	1,4-bis(2,3 epoxypropoxy)butane;butanedioldiglycidyl ether
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According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Test method	OECD 405
Species	Rabbit
Duration	
Result	Adverse effect observed (Irritating)
Other information	
Product/substance	1,4-bis(2,3 epoxypropoxy)butane;butanedioldiglycidyl ether
Test method	OECD 405
Species	Rabbit
Duration	
Result	Adverse effect observed (Irritating)
Other information	
Product/substance	1,4-bis(2,3 epoxypropoxy)butane;butanedioldiglycidyl ether
Test method	OECD 405
Species	Rabbit
Duration	
Result	Adverse effect observed (Irritating)
Other information	
Product/substance	1,4-bis(2,3 epoxypropoxy)butane;butanedioldiglycidyl ether
Test method	OECD 405
Species	Rabbit
Duration	
Result	
Other information	
Product/substance	1,4-bis(2,3 epoxypropoxy)butane;butanedioldiglycidyl ether
Test method	
Species	Rabbit
Duration	
Result	Adverse effect observed (Moderately irritating)
Other information	

Causes serious eye irritation.

**Respiratory sensitisation**

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

**Skin sensitisation**

Product/substance	1,4-bis(2,3 epoxypropoxy)butane;butanedioldiglycidyl ether
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According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Test method	OECD 406
Species	Guinea pig
Result	Adverse effect observed (sensitising)
Other information	

#### Germ cell mutagenicity

Product/substance	1,4-bis(2,3 epoxypropoxy)butane;butanedioldiglycidyl ether
Test method	OECD 471
Species	Bacteria, <i>S. typhimurium</i>
Conclusion	Adverse effect observed
Other information	
Product/substance	1,4-bis(2,3 epoxypropoxy)butane;butanedioldiglycidyl ether
Test method	OECD 473
Species	Guinea pig, Chinese Hamster lung V79
Conclusion	Adverse effect observed
Other information	
Product/substance	1,4-bis(2,3 epoxypropoxy)butane;butanedioldiglycidyl ether
Test method	OECD 476
Species	Guinea pig, Chinese Hamster lung V79
Conclusion	Adverse effect observed
Other information	
Product/substance	1,4-bis(2,3 epoxypropoxy)butane;butanedioldiglycidyl ether
Test method	OECD 474
Species	Mouse, L5178Y mouse lymphoma cells
Conclusion	No adverse effect observed
Other information	

#### Carcinogenicity

Product/substance	1,4-bis(2,3 epoxypropoxy)butane;butanedioldiglycidyl ether
Test method	
Species	Human
Route of exposure	
Target organ	
Duration	
Test	

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Result	
Conclusion	No adverse effect observed
Other information	

**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**

**Long term effects**

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

**Endocrine disrupting properties**

No special

**Other information**

No special

**SECTION 12: Ecological information**

**12.1. Toxicity**

Product/substance	reaction product: bisphenol-A-(epichlorhydrin);epoxy resin (number average molecular weight ≤ 700)
Test method	
Species	Daphnia
Compartment	Freshwater
Duration	21 days
Test	NOEC
Result	0.3 mg/L
Other information	
Product/substance	reaction product: bisphenol-A-(epichlorhydrin);epoxy resin (number average molecular weight ≤ 700)
Test method	
Species	Daphnia
Compartment	Freshwater
Duration	48 hours
Test	EC50
Result	1.8 mg/L

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Other information	
Product/substance	reaction product: bisphenol-A-(epichlorhydrin);epoxy resin (number average molecular weight $\leq$ 700)
Test method	
Species	Fish
Compartment	
Duration	96 hours
Test	LC50
Result	2 mg/L
Other information	
Product/substance	1,4-bis(2,3 epoxypropoxy)butane;butanedioldiglycidyl ether
Test method	
Species	Fish, Danio rerio
Compartment	
Duration	96 hours
Test	LC50
Result	24 mg/L
Other information	
Product/substance	1,4-bis(2,3 epoxypropoxy)butane;butanedioldiglycidyl ether
Test method	
Species	Daphnia, Daphnia magna
Compartment	
Duration	24 hours
Test	EC50
Result	76 mg/L
Other information	
Product/substance	1,4-bis(2,3 epoxypropoxy)butane;butanedioldiglycidyl ether
Test method	
Species	Algae
Compartment	
Duration	72 hours
Test	EC50
Result	110 mg/L
Other information	

## 12.2. Persistence and degradability

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Product/substance	reaction product: bisphenol-A-(epichlorhydrin);epoxy resin (number average molecular weight $\leq$ 700)
Biodegradable	No
Test method	
Result	

### 12.3. Bioaccumulative potential

Product/substance	1,4-bis(2,3 epoxypropoxy)butane;butanedioldiglycidyl ether
Test method	
Potential bioaccumulation	No data available
LogPow	-0,269 - 0,15
BCF	No data available
Other information	

### 12.4. Mobility in soil

No data available

### 12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

### 12.6. Endocrine disrupting properties

No special

### 12.7. Other adverse effects

This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms.

This product contains substances, which may cause adverse long-term effects to the aquatic environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Product is covered by the regulations on hazardous waste.

HP 4 - Irritant (skin irritation and eye damage)

HP 13 - Sensitising

HP 14 - Ecotoxic

Dispose of contents/container to an approved waste disposal plant.

Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

#### EWC code

20 01 27\* Paint, inks, adhesives and resins containing dangerous substances

#### Specific labelling

Not applicable

#### Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

## SECTION 14: Transport information

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information
ADR	UN1760	CORROSIVE LIQUID, N.O.S.	Class: 8 Labels: 8 Classification code: C9  	III	Yes	Limited quantities: 5 L Tunnel restriction code: (E) See below for additional information.
IMDG	UN1760	CORROSIVE LIQUID, N.O.S.	Class: 8 Labels: 8 Classification code: C9  	III	Yes	Limited quantities: 5 L EmS: F-A S-B See below for additional information.
IATA	UN1760	CORROSIVE LIQUID, N.O.S.	Class: 8 Labels: 8 Classification code: C9 	III	Yes	See below for additional information.

\* Packing group

\*\* Environmental hazards

#### Additional information

ADR / See Table A, Section 3.2.1 for any information on special provisions, requirements, or warnings in connection with transport. See section 5.4.3, for instructions in writing regarding mitigation of damages in relation to incidents or accidents during transport.

IMDG / See the Dangerous Goods List, section 3.2.1, for any information on special provisions, requirements, or warnings in connection with transport.

IATA / See Table 4.2 for any information on special provisions, requirements, or warnings in connection with transport.

This product is within scope of the regulations of transport of dangerous goods.

#### 14.6. Special precautions for user

Not applicable

#### 14.7. Maritime transport in bulk according to IMO instruments

No data available

## SECTION 15: Regulatory information

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

#### Restrictions for application

People under the age of 18 shall not be exposed to this product.

#### Demands for specific education

Use of this product requires dedicated training in work with polyurethane and epoxy products.

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

#### SEVESO - Categories / dangerous substances

E2 - ENVIRONMENTAL HAZARDS, Qualifying quantity (lower-tier): 200 tonnes / (upper-tier): 500 tonnes

#### Additional information

Not applicable

#### Sources

The Management of Health and Safety at Work Regulations 1999

Control of Major Accident Hazards (COMAH) Regulations 2015.

Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as retained and amended in UK law.

Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as retained and amended in UK law.

#### 15.2. Chemical safety assessment

No

### SECTION 16: Other information

#### Full text of H-phrases as mentioned in section 3

EUH205, Contains epoxy constituents. May produce an allergic reaction.

H312, Harmful in contact with skin.

H315, Causes skin irritation.

H317, May cause an allergic skin reaction.

H319, Causes serious eye irritation.

H332, Harmful if inhaled.

H411, Toxic to aquatic life with long lasting effects.

H412, Harmful to aquatic life with long lasting effects.

#### Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway

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

ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

CAS = Chemical Abstracts Service

CE = Conformité Européenne

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]

CSA = Chemical Safety Assessment

CSR = Chemical Safety Report

DMEL = Derived Minimal Effect Level

DNEL = Derived No Effect Level

EINECS = European Inventory of Existing Commercial chemical Substances

ES = Exposure Scenario

EUH statement = CLP-specific Hazard statement

EWC = European Waste Catalogue

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IARC = International Agency for Research on Cancer (IARC)

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)

OECD = Organisation for Economic Co-operation and Development

PBT = Persistent, Bioaccumulative and Toxic

PNEC = Predicted No Effect Concentration

RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

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RRN = REACH Registration Number

SCL = A specific concentration limit

SVHC = Substances of Very High Concern

STOT-RE = Specific Target Organ Toxicity - Repeated Exposure

STOT-SE = Specific Target Organ Toxicity - Single Exposure

TWA = Time weighted average

UN = United Nations

UVBC = Unknown or variable composition, complex reaction products or of biological materials

VOC = Volatile Organic Compound

vPvB = Very Persistent and Very Bioaccumulative

#### **Additional information**

The classification of the substance/mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

The classification of the substance/mixture in regard of environmental hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

#### **The safety data sheet is validated by**

H.A.B.

#### **Other**

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

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