

# SAFETY DATA SHEET according to Regulation 1907/2006

Product name: **Vertical epoxy basis**

Creation date: **1.7.2014** · Revision: **21.4.2016** · Version: **1**

## SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product identifier

Product name

**Vertical epoxy basis**



chemius.net/VXB00

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

Use

Epoxy resin

Uses advised against

No information

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

Supplier

SANIKOM D.O.O.

Address: Vrtna ulica 39, 4294 Križe, Slovenia

Tel.: 051-354-081

Fax: 0599-50-636

e-mail: gregor.janc@sanikom.si

Point of contact for safety info: Gregor Janc

### 1.4. Emergency telephone number

Emergency

112

Supplier

051-354-081

## SECTION 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

Classification according to Reg. 1272/2008

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.

# SAFETY DATA SHEET according to Regulation 1907/2006

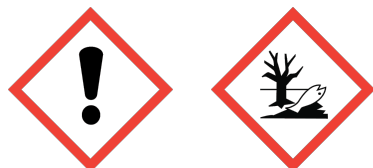
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Product name: **Vertical epoxy basis**

Creation date: **1.7.2014** · Revision: **21.4.2016** · Version: **1**

## 2.2 Label elements

### 2.2.1. Labelling according to Regulation (EC) No 1272/2008 [CLP]



Signal word: **Warning**

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H411 Toxic to aquatic life with long lasting effects.

EUH205 Contains epoxy constituents. May produce an allergic reaction.

P272 Contaminated work clothing should not be allowed out of the workplace.

P273 Avoid release to the environment.

P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.

P337 + P313 If eye irritation persists: Get medical advice/attention.

P501 Dispose of contents/container in accordance with local regulation.

### 2.2.2. Contains:

Reaction product: bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight  $\leq$  700) (CAS: 25068-38-6, EC: 500-033-5, Index: 603-074-00-8)

Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol (CAS: 9003-36-5, EC: 500-006-8) oxirane, mono[(C12-14-alkyloxy)methyl] derivs. (CAS: 68609-97-2, EC: 271-846-8, Index: 603-103-00-4)

### 2.2.3. Special provisions

Special hazards are not known or expected.

## 2.3. Other hazards

No information

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substances

For mixtures see 3.2.

### 3.2. Mixtures

Chemical name	CAS EC Index	%	Classification according to Regulation (EC) No 1272/2008 [CLP]	REACH reg. number
Reaction product: bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight $\leq$ 700)	25068-38-6 500-033-5 603-074-00-8	60-100	Skin Irrit. 2; H315 Skin Sens. 1; H317 Eye Irrit. 2; H319 Aquatic Chronic 2; H411	01-2119456619-26
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol	9003-36-5 500-006-8 -	15-30	Skin Irrit. 2; H315 Skin Sens. 1; H317 Aquatic Chronic 2; H411	01-2119454392-40
oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	68609-97-2 271-846-8 603-103-00-4	5-15	Skin Irrit. 2; H315 Skin Sens. 1; H317	01-2119485289-22

# SAFETY DATA SHEET according to Regulation 1907/2006

...continued from previous page

Product name: **Vertical epoxy basis**

Creation date: **1.7.2014** · Revision: **21.4.2016** · Version: **1**

## SECTION 4. FIRST AID MEASURES

### 4.1. Description of first aid measures

#### General measures

Never give anything by mouth to an unconscious person. Place patient stably in side position for transportation.

#### Inhalation

Remove patient to fresh air-move out of dangerous area. If symptoms occur it is necessary to search for medical help.

#### Skin contact

Take off all contaminated clothing. Wash thoroughly with plenty of water and soap! If symptoms persist seek medical attention.

#### Eye contact

Immediately flush eyes with running water, keeping eyelids open. If irritation does not stop, seek professional medical treatment!

#### Ingestion

Do not induce vomiting. Rinse mouth with water. Consult a physician. Show the physician the Safety Data Sheet or label.

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

#### Inhalation

-

#### Skin contact

Irritating to the skin (itching, redness, pain).

May cause sensitisation by skin contact.

#### Eye contact

Redness, tearing, pain.

#### Ingestion

Irritates mucous membranes in the mouth, throat, esophagus and in gastrointestinal area.

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

-

## SECTION 5. FIREFIGHTING MEASURES

### 5.1. Extinguishing media

#### Suitable extinguishing media

Carbon dioxide. Dry chemical powder. Water spray. Alcohol resistant foam.

#### Unsuitable extinguishing media

Full water jet.

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

#### Hazardous combustion products

In case of heating harmful vapours/gases can be generated.

### 5.3. Advice for firefighters

#### Protective actions

-

#### Special protective equipment for fire-fighters

Fire-fighters should wear appropriate protective clothing for fire-fighters (including helmets, protective boots and gloves) (EN 469) and self-contained breathing apparatus (SCBA) with a full face-piece (EN 137) .

Product name: **Vertical epoxy basis**

Creation date: **1.7.2014** · Revision: **21.4.2016** · Version: **1**

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

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

6.1.1. For non-emergency personnel

**Protective equipment**

Use personal protective equipment (Section 8).

**Emergency procedures**

Ensure adequate ventilation.

6.1.2. For emergency responders

-

**6.2. Environmental precautions**

Do not allow product to reach water or permeable soil. If accidental entry into water or ground occurs, inform responsible authorities.

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

6.3.1. For containment

-

6.3.2. For cleaning up

Absorb product (with inert material), collect it in special container and dispose it according to valid regulations on handling with waste.

6.3.3. Other information

-

**6.4. Reference to other sections**

See also sections 8 and 13.

**SECTION 7. HANDLING AND STORAGE**

**7.1. Precautions for safe handling**

7.1.1. Protective measures

**Measures to prevent fire**

Ensure adequate ventilation.

**Measures to prevent aerosol and dust generation**

-

**Measures to protect the environment**

-

7.1.2. Advice on general occupational hygiene

Use good personal hygiene practices-wash hands at breaks and when done working with material. Do not eat, drink or smoke while working. Avoid contact with skin and eyes. Do not breathe vapours/mist.

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

7.2.1. Technical measures and storage conditions

Keep in cool and well ventilated area. Keep away from food, drink and animal feedingstuffs.

7.2.2. Packaging materials

-

7.2.3. Requirements for storage rooms and vessels

-

# SAFETY DATA SHEET according to Regulation 1907/2006

...continued from previous page

Product name: **Vertical epoxy basis**

Creation date: **1.7.2014** · Revision: **21.4.2016** · Version: **1**

## 7.2.4. Storage class

-

## 7.2.5. Further information on storage conditions

-

## 7.3. Specific end use(s)

### Recommendations

-

### Industrial sector specific solutions

-

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

#### 8.1.1. Occupational Exposure limit values

No information

#### 8.1.2. Information on monitoring procedures

BS EN 14042:2003 Title Identifier: Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents.

#### 8.1.3. DNEL values

##### For components

Chemical name	Type	exp. route	exp. frequency	value	Remark
Reaction product: bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight $\leq$ 700) (25068-38-6)	Worker	dermal	short term (systemic effects)	8,3 mg/kg	
Reaction product: bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight $\leq$ 700) (25068-38-6)	Worker	inhalation	short term (systemic effects)	12,3 mg/m <sup>3</sup>	
Reaction product: bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight $\leq$ 700) (25068-38-6)	Worker	dermal	long term (systemic effects)	8,3 mg/kg	repeated
Reaction product: bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight $\leq$ 700) (25068-38-6)	Worker	inhalation	long term (systemic effects)	12,3 mg/m <sup>3</sup>	repeated
Reaction product: bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight $\leq$ 700) (25068-38-6)	Consumer	dermal	short term (systemic effects)	3,6 mg/kg	
Reaction product: bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight $\leq$ 700) (25068-38-6)	Consumer	inhalation	short term (systemic effects)	0,75 mg/m <sup>3</sup>	
Reaction product: bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight $\leq$ 700) (25068-38-6)	Consumer	oral	short term (systemic effects)	0,75 mg/kg	
Reaction product: bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight $\leq$ 700) (25068-38-6)	Consumer	dermal	long term (systemic effects)	3,6 mg/kg	repeated
Reaction product: bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight $\leq$ 700) (25068-38-6)	Consumer	inhalation	long term (systemic effects)	0,75 mg/m <sup>3</sup>	repeated

# SAFETY DATA SHEET

according to Regulation 1907/2006

...continued from previous page

Product name: **Vertical epoxy basis**

Creation date: **1.7.2014** · Revision: **21.4.2016** · Version: **1**

Reaction product: bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight ≤ 700) (25068-38-6)	Consumer	oral	long term (systemic effects)	0,75 mg/kg	repeated
oxirane, mono[(C12-14-alkyloxy)methyl] derivs. (68609-97-2)	Worker	inhalation	short term (systemic effects)	29 mg/m <sup>3</sup>	
oxirane, mono[(C12-14-alkyloxy)methyl] derivs. (68609-97-2)	Worker	dermal	short term (systemic effects)	17 mg/kg	
oxirane, mono[(C12-14-alkyloxy)methyl] derivs. (68609-97-2)	Worker	dermal	short term (local effects)	68 mg/cm <sup>2</sup>	
oxirane, mono[(C12-14-alkyloxy)methyl] derivs. (68609-97-2)	Worker	inhalation	short term (local effects)	9,8 mg/m <sup>3</sup>	
oxirane, mono[(C12-14-alkyloxy)methyl] derivs. (68609-97-2)	Worker	dermal	long term (systemic effects)	3,9 mg/kg	
oxirane, mono[(C12-14-alkyloxy)methyl] derivs. (68609-97-2)	Worker	inhalation	long term (systemic effects)	13,8 mg/m <sup>3</sup>	
oxirane, mono[(C12-14-alkyloxy)methyl] derivs. (68609-97-2)	Worker	dermal	long term (local effects)	1,7 mg/cm <sup>2</sup>	
oxirane, mono[(C12-14-alkyloxy)methyl] derivs. (68609-97-2)	Worker	inhalation	long term (local effects)	0,98 mg/m <sup>3</sup>	
oxirane, mono[(C12-14-alkyloxy)methyl] derivs. (68609-97-2)	Consumer	dermal	short term (systemic effects)	10 mg/kg	
oxirane, mono[(C12-14-alkyloxy)methyl] derivs. (68609-97-2)	Consumer	inhalation	short term (systemic effects)	7,6 mg/m <sup>3</sup>	
oxirane, mono[(C12-14-alkyloxy)methyl] derivs. (68609-97-2)	Consumer	oral	short term (systemic effects)	1219 mg/kg	
oxirane, mono[(C12-14-alkyloxy)methyl] derivs. (68609-97-2)	Consumer	dermal	short term (local effects)	40 mg/cm <sup>2</sup>	
oxirane, mono[(C12-14-alkyloxy)methyl] derivs. (68609-97-2)	Consumer	inhalation	short term (local effects)	2,9 mg/m <sup>3</sup>	
oxirane, mono[(C12-14-alkyloxy)methyl] derivs. (68609-97-2)	Consumer	dermal	long term (systemic effects)	2,35 mg/kg	
oxirane, mono[(C12-14-alkyloxy)methyl] derivs. (68609-97-2)	Consumer	inhalation	long term (systemic effects)	4,1 mg/m <sup>3</sup>	
oxirane, mono[(C12-14-alkyloxy)methyl] derivs. (68609-97-2)	Consumer	oral	long term (systemic effects)	1 mg/kg	
oxirane, mono[(C12-14-alkyloxy)methyl] derivs. (68609-97-2)	Consumer	dermal	long term (local effects)	1 mg/cm <sup>2</sup>	
oxirane, mono[(C12-14-alkyloxy)methyl] derivs. (68609-97-2)	Consumer	inhalation	long term (systemic effects)	1,46 mg/m <sup>3</sup>	

# SAFETY DATA SHEET according to Regulation 1907/2006

...continued from previous page

Product name: **Vertical epoxy basis**

Creation date: **1.7.2014** · Revision: **21.4.2016** · Version: **1**

## 8.1.4. PNEC values

### For components

Chemical name	exp. route	value	Remark
Reaction product: bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight ≤ 700) (25068-38-6)	fresh water	0,003 mg/l	
Reaction product: bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight ≤ 700) (25068-38-6)	marine water	0,0003 mg/l	
Reaction product: bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight ≤ 700) (25068-38-6)	fresh water sediment	0,0005 mg/l	

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering control

#### Substance/mixture related measures to prevent exposure during identified uses

Use good personal hygiene practices-wash hands at breaks and when done working with material.

#### Technical measures to prevent exposure

Provide good ventilation and local exhaust in the area with increased concentration.

### 8.2.2. Personal protective equipment

#### Eye and face protection

Safety glasses with side protection (EN 166).

#### Hand protection

Protective gloves (EN 374).

#### Appropriate materials

Material	Thickness	Penetration Time	Remark
Butyl		480 min	

#### Skin protection

Cotton protective clothing (EN ISO 13688) and shoes that cover the entire foot (EN ISO 20345).

#### Respiratory protection

In case of insufficient ventilation wear mask with filter A (EN 14387)

#### Thermal hazards

-

### 8.2.3. Environmental exposure controls

-

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

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

-	<b>Physical state:</b>	liquid
-	<b>Colour:</b>	colourless
-	<b>Odour:</b>	mild

# SAFETY DATA SHEET according to Regulation 1907/2006

...continued from previous page

Product name: **Vertical epoxy basis**

Creation date: **1.7.2014** · Revision: **21.4.2016** · Version: **1**

## Important health, safety and environmental information

-	<b>pH</b>	No information
-	<b>Melting point</b>	No information
-	<b>Boiling point/boiling range</b>	> 200 °C
-	<b>Flashpoint</b>	130 °C (EN 22719)
-	<b>Evaporation rate</b>	No information
-	<b>Ignition temperature</b>	No information
-	<b>Explosion limits (vol%)</b>	No information
-	<b>Vapour pressure</b>	No information
-	<b>Vapour density</b>	No information
-	<b>Density</b>	No information
-	<b>Solubility</b>	<b>Water:</b> Insoluble
-	<b>Partition coefficient</b>	No information
-	<b>Auto-ignition temperature</b>	No information
-	<b>Decomposition temperature</b>	No information
-	<b>Viscosity</b>	<b>dynamic:</b> 800 – 1100 mPas at 25 °C
-	<b>Explosive properties</b>	No information
-	<b>Oxidising properties</b>	No information

## 9.2. Other information

-	<b>Remarks:</b>	
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## SECTION 10. STABILITY AND REACTIVITY

### 10.1. Reactivity

-

### 10.2. Chemical stability

Product is stable under normal conditions according to handling and storage.

### 10.3. Possibility of hazardous reactions

-

### 10.4. Conditions to avoid

No special precautions required. Consider the directions for use and storage.

### 10.5. Incompatible materials

Strong oxidizing agents.  
Strong acids.  
Strong bases.

### 10.6. Hazardous decomposition products

Under normal use conditions no hazardous decomposition products expected. In case of fire/explosion vapours dangerous for health are spread.



# SAFETY DATA SHEET according to Regulation 1907/2006

...continued from previous page

Product name: **Vertical epoxy basis**

Creation date: **1.7.2014** · Revision: **21.4.2016** · Version: **1**

## SECTION 11. TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

#### 11.1.1. Acute toxicity

##### For components

Chemical name	exp. route	Type	species	Time	value	Method	Remark
Reaction product: bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight $\leq$ 700) (25068-38-6)	oral	LD <sub>50</sub>	rat		> 2000 mg/kg		
Reaction product: bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight $\leq$ 700) (25068-38-6)	dermal	LD <sub>50</sub>	rat		> 2000 mg/kg		
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol (9003-36-5)	dermal	LD <sub>50</sub>	rat		> 2000 mg/kg		
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol (9003-36-5)	oral	LD <sub>50</sub>	rat		> 2000 mg/kg		
oxirane, mono[(C12-14-alkyloxy)methyl] derivs. (68609-97-2)	oral	LC <sub>50</sub>	rat		30,1 mg/kg		
oxirane, mono[(C12-14-alkyloxy)methyl] derivs. (68609-97-2)	inhalation	LC0	rat	7 h	> 0,15 mg/l		

#### 11.1.2. Skin corrosion/irritation, serious eye damage/irritation

No information

#### 11.1.3. Respiratory or skin sensitisation

No information

#### 11.1.4. Carcinogenicity, Mutagenicity, Reproductive toxicity

##### Carcinogenicity

No information

##### (Germ cell) mutagenicity

No information

##### Reproductive toxicity

No information

##### Summary of evaluation of the CMR properties

No information

#### 11.1.5. STOT - single and repeated exposure

No information

#### 11.1.6. Aspiration hazard

No information

# SAFETY DATA SHEET according to Regulation 1907/2006

...continued from previous page

Product name: **Vertical epoxy basis**

Creation date: **1.7.2014** · Revision: **21.4.2016** · Version: **1**

## SECTION 12. ECOLOGICAL INFORMATION

### 12.1. Toxicity

#### 12.1.1. Acute (short-term) toxicity

##### For components

Substance (CAS Nr.)	Type	Value	Exposure time	Species	Organism	Method	Remark
Reaction product: bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight ≤ 700) (25068-38-6)	EC <sub>50</sub>	9,4 mg/L	72 h	algae			
	EC <sub>50</sub>	1,7 mg/L	48 h	crustaceans	<i>Daphnia magna</i>	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)	
	LC <sub>50</sub>	1,5 mg/L	96 h	fish		OECD Guideline 203 (Fish, Acute Toxicity Test)	
	IC <sub>50</sub>	100 mg/L	3 h	bacteria			
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol (9003-36-5)	EC <sub>50</sub>	1,8 mg/L	72 h	algae		OECD 201	
	EC <sub>50</sub>	1,6 mg/L	48 h	crustaceans	<i>Daphnia magna</i>	OECD 202	
	IC <sub>50</sub>	> 100 mg/L	3 h	bacteria			
	LC <sub>50</sub>	0,55 mg/L	96 h	fish		OECD 203	
oxirane, mono[(C12-14-alkyloxy)methyl] derivs. (68609-97-2)	EL <sub>50</sub>	7,2 mg/L	48 h	invertebrates	<i>Daphnia magna</i>	OECD 202	
	IC <sub>50</sub>	843,75 mg/L	72 h	algae		OECD 201	
	IC <sub>50</sub>	> 100 mg/L	3 h	bacteria		OECD 209	
	LC <sub>50</sub>	5000 mg/L	96 h	fish		OECD 203	

#### 12.1.2. Chronic (long-term) toxicity

##### For components

Substance (CAS Nr.)	Type	Value	Exposure time	Species	Organism	Method	Remark
Reaction product: bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight ≤ 700) (25068-38-6)	NOEC	0,3 mg/l	21 days	aquatic invertebrate	<i>Daphnia magna</i>	OECD 211	
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol (9003-36-5)	NOEC	0,3 mg/l	21 days	crustacea	<i>Daphnia magna</i>	OECD 211	

### 12.2. Persistence and degradability

#### 12.2.1. Abiotic degradation, physical- and photo-chemical elimination

No information

# SAFETY DATA SHEET according to Regulation 1907/2006

...continued from previous page

Product name: **Vertical epoxy basis**

Creation date: **1.7.2014** · Revision: **21.4.2016** · Version: **1**

## 12.2.2. Biodegradation

### For components

Substance (CAS Nr.)	Organism	Rate	Time	Evaluation	Method	Remark
Reaction product: bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight $\leq$ 700) (25068-38-6)	aerobic	43 %	28 days	readily biodegradable	OECD 301 F	

## 12.3. Bioaccumulative potential

### 12.3.1. Partition coefficient

#### For components

Substance (CAS Nr.)	Media	value	Temperature	pH	Concentration	Method
Reaction product: bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight $\leq$ 700) (25068-38-6)	Octanol-water (log Pow)	3,242				

### 12.3.2. Bioconcentration factor (BCF)

#### For components

Substance (CAS Nr.)	species	organism	value	Duration	Evaluation	Method	Remark
Reaction product: bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight $\leq$ 700) (25068-38-6)	BCF		31		Low		

## 12.4. Mobility in soil

### 12.4.1. Known or predicted distribution to environmental compartments

No information

### 12.4.2. Surface tension

No information

### 12.4.3. Adsorption/Desorption

No information

## 12.5. Results of PBT and vPvB assessment

No evaluation.

## 12.6. Other adverse effects

No information

## 12.7. Additional information

### For components

**Substance: Reaction product: bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight  $\leq$  700)**

Do not allow to reach ground water, water bodies or sewage systems.

## SECTION 13. DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

#### 13.1.1. Product / Packaging disposal

##### Waste chemical

Disposal must be made according to official regulations: to leave it to authorized collector/remover/transformer of hazardous waste.

- **Waste codes / waste designations according to LoW**

07 02 08\* - other still bottoms and reaction residues

# SAFETY DATA SHEET according to Regulation 1907/2006

...continued from previous page

Product name: **Vertical epoxy basis**

Creation date: **1.7.2014** · Revision: **21.4.2016** · Version: **1**

## Packaging

Completely emptied containers leave to approved waste disposal authorities in charge.

### 13.1.2. Waste treatment-relevant information

-

### 13.1.3. Sewage disposal-relevant information

-

### 13.1.4. Other disposal recommendations

-

## SECTION 14. TRANSPORT INFORMATION

### 14.1. UN number

UN 3082

### 14.2. UN proper shipping name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

### 14.3. Transport hazard class(es)

9

### 14.4. Packing group

III

### 14.5. Environmental hazards

Additional labeling: Dangerous for the environment

IMDG: MARINE POLLUTANT

### 14.6. Special precautions for user

#### Limited quantities

5 L

#### Tunnel restriction code

(E)

#### IMDG flashpoint

130 °C, c.c.

#### IMDG EmS

F-A, S-F

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Goods may not be carried in bulk in bulk containers, containers or vehicles



## SECTION 15. REGULATORY INFORMATION

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

- Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (including last amendment Commission Regulation (EU) 2015/830)

- Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

# SAFETY DATA SHEET according to Regulation 1907/2006

...continued from previous page

Product name: **Vertical epoxy basis**

Creation date: **1.7.2014** · Revision: **21.4.2016** · Version: **1**

## 15.1.1. Information according 2004/42/EC about limitation of emissions of volatile organic compounds (VOC-guideline)

not applicable

## 15.2. Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

## SECTION 16. OTHER INFORMATION

### Indication of changes

-

### Key literature references and sources for data

-

### List of relevant H phrases

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



- Provided correct labelling of the product
- Compliance with the local legislation
- Provided correct classification of the product
- Provided adequate transport data

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The information of this SDS is based on the present state of our knowledge and meets the requirements of EU and national laws. The user's working conditions however, are beyond our knowledge and control. The product is not to be used for purposes other than those specified under section 1 without a written permission. It remains the responsibility of the user to ensure that the necessary steps are taken to meet the laws and regulations. Handling of the product may only be done by people above 18 years of age, who are satisfactorily informed of how to do the work, the hazardous properties and necessary safety precautions. The information given in this SDS is to describe the product only in terms of health and safety requirements and should not, therefore, be construed as guaranteeing specific properties.