

## Safety Data Sheet

### TRIBLOCK FINISH comp. A

Safety Data Sheet dated: 15/09/2023 - version 5



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

### 1.1. Product identifier

Mixture identification:

Trade name: TRIBLOCK FINISH comp. A

Trade code: 901353

UFI: 6Y61-N0M0-100G-1YKR

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

Recommended use: Epoksidne smole.

Uses advised against: Not available

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

Company: Mapei Slovenia Doo

Kočevarjeva 2, Novo Mesto, Slovenia

Tel: +386-1-7865050/51 - Fax: +386-1-7865055

Responsible: mapei@mapei.si

### 1.4. Emergency telephone number

CORS – Center za obveščanje Republike Slovenije – Tel. 112

## SECTION 2: Hazards identification



### 2.1. Classification of the substance or mixture

#### Regulation (EC) n. 1272/2008 (CLP)

Skin Irrit. 2 Causes skin irritation.

Eye Irrit. 2 Causes serious eye irritation.

Skin Sens. 1B May cause an allergic skin reaction.

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

Adverse physicochemical, human health and environmental effects:

No other hazards

### 2.2. Label elements

#### Regulation (EC) No 1272/2008 (CLP):

#### Piktogrami in Opozorilna beseda



Warning

#### Opozorila o nevarnosti:

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.

#### Previdnostni nasveti:

P261 Ne vdihavati meglice/hlapov/razpršila.

P264 Po uporabi temeljito umiti roke.

P273 Avoid release to the environment.

P280 Wear protective gloves/clothing and eye/face protection.

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

P391 Collect spillage.

#### Special Provisions:

EUH208 Vsebuje bis[4,4'-bis(glicidiloksi)fenil]propan. Lahko povzroči alergijski odziv

EUH208 Vsebuje Formaldehid, oligomerni reakcijski produkti z 1-kloro-2,3-epoksipropanom in fenolom. Lahko

povzroči alergijski odziv

EUH208 Vsebuje 1,2-benzizotiazol-3(2H)-on; 1,2-benzizotiazol-3(2H)-on. Lahko povzroči alergijski odziv  
EUH205 Contains epoxy constituents. May produce an allergic reaction.

#### Vsebuje:

oksiran, mono[(C12-14-alkiloksi)metil]  
derivati

#### Special provisions according to Annex XVII of REACH and subsequent amendments:

Nobena

#### 2.3. Other hazards

No PBT, vPvB or endocrine disruptor substances present in concentration  $\geq 0.1\%$

Other Hazards: No other hazards

Ta izdelek vsebuje epoksidne smole z nizko molekulsko maso. Ob stiku z drugimi epoksidnimi izdelki lahko pride do večje dovzetnosti k preobčutljivosti. Izogibajte se izpostavljenosti meglicam in hlapom izdelka.

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not Relevant

#### 3.2. Mixtures

Mixture identification: TRIBLOCK FINISH comp. A

#### Hazardous components within the meaning of the CLP regulation and related classification:

Koncentracija (%) w/w	Name	Ident. Numb.	Classification	Registration Number
$\geq 25 - < 50$ %	bis[4,4'-bis(glicidiloksi)fenil]propan	CAS:1675-54-3, 25085-99-8 EC:216-823-5 Index:603-073-00-2	Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Irrit. 2, H319 Aquatic Chronic 2, H411  Specific Concentration Limits: C $\geq 5\%$ : Skin Irrit. 2 H315 C $\geq 5\%$ : Eye Irrit. 2 H319	01-2119456619-26-XXXX
$\geq 5 - < 10$ %	Formaldehid, oligomerni reakcijski produkti z 1-kloro-2,3-epoksiopropanom in fenolom	CAS:9003-36-5 EC:701-263-0	Skin Irrit. 2, H315; Aquatic Chronic 2, H411; Skin Sens. 1, H317	01-2119454392-40-XXXX
$\geq 5 - < 10$ %	oksiran, mono[(C12-14-alkiloksi)metil] derivati	CAS:68609-97-2 EC:271-846-8 Index:603-103-00-4	Skin Irrit. 2, H315; Skin Sens. 1B, H317	01-2119485289-22-XXXX
$\geq 0.49 - < 1$ %	etandiol	CAS:107-21-1 EC:203-473-3 Index:603-027-00-1	Acute Tox. 4, H302; STOT RE 2, H373	01-2119456816-28-XXXX
$\geq 0.016 - < 0.025$ %	1,2-benzizotiazol-3(2H)-on; 1,2-benzizotiazol-3(2H)-on	CAS:2634-33-5 EC:220-120-9 Index:613-088-00-6	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Acute 1, H400 Acute Tox. 4, H302 Skin Sens. 1, H317 Aquatic Chronic 2, H411  Specific Concentration Limits: C $\geq 0.05\%$ : Skin Sens. 1 H317	

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose of safely.

After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Do not induce vomiting, get medical attention showing the SDS and the hazard label.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

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

Eye irritation

Eye damages

Skin Irritation

Erythema

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

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

(glej odstavek 4.1)

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## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

Suitable extinguishing media:

Water.

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

Extinguishing media which must not be used for safety reasons:

None in particular.

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

Do not inhale explosion and combustion gases.

Pri gorenju nastajajo težki dimni plini.

### **5.3. Advice for firefighters**

Use suitable breathing apparatus.

Ločeno zberite kontaminirano vodo, uporabljeno za gašenje požara. Ne je izpustiti v kanalizacijo.

Če je to varno izvedljivo, nepoškodovane vsebnike umaknite iz neposredno ogroženega območja.

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

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

**For non emergency personnel:**

Wear personal protection equipment.

Remove persons to safety.

Glejte v točki 7 in 8 navedene zaščitne ukrepe.

**For emergency responders:**

Wear personal protection equipment.

### **6.2. Environmental precautions**

Preprečite vstop v tla/podtalnico. Preprečite razlitje v površinske vode ali v kanalizacijo.

Zadržite izlito snov z zemljo ali peskom.

V primeru puščanja plina ali razlitja v vodne tokove, tla ali kanalizacijo obvestite pristojne organe.

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

Za zbiranje primeren material: vpojni in organski materiali, pesek

Izperite z obilo vode.

Retain contaminated washing water and dispose it.

### **6.4. Reference to other sections**

See also section 8 and 13

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## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

Preprečite stik s kožo in očmi, vdihavanje hlapov in megle.

Don't use empty container before they have been cleaned.

Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

### **Advice on general occupational hygiene:**

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

Hranite stran od hrane, pijač in krme.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

## 7.3. Specific end use(s)

Recommendation(s)

None in particular

Industrial sector specific solutions:

None in particular

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Community Occupational Exposure Limits (OEL)

	OEL Type	Država	Occupational Exposure Limit
etandiol CAS: 107-21-1	National	ŠVEDSKA	Long Term: 25 mg/m <sup>3</sup> - 10 ppm; Short Term: 50 mg/m <sup>3</sup> - 20 ppm SWEDEN, Short-term value, 15 minutes average value
	National	FINSKA	Long Term: 50 mg/m <sup>3</sup> - 20 ppm; Short Term: 100 mg/m <sup>3</sup> - 40 ppm FINLAND, hud
	National	NORVEŠKA	Long Term: 52 mg/m <sup>3</sup> - 20 ppm; Short Term: 104 mg/m <sup>3</sup> - 40 ppm NORWAY, H5
	National	ŠVEDSKA	Long Term: 25 mg/m <sup>3</sup> - 10 ppm; Short Term: 50 mg/m <sup>3</sup> - 20 ppm SWEDEN, Short-term value, 15 minutes average value
	EU		Long Term: 52 mg/m <sup>3</sup> - 20 ppm; Short Term: 104 mg/m <sup>3</sup> - 40 ppm Skin
	National	NORVEŠKA	Long Term: 10 mg/m <sup>3</sup> - 10 ppm; Short Term: 20 mg/m <sup>3</sup> - 20 ppm
	ACGIH		Short Term: Ceiling - 100 mg/m <sup>3</sup> (H), A4 - URT and eye irr
	National	NORVEŠKA	Long Term: 26 mg/m <sup>3</sup> ; Short Term: 52 mg/m <sup>3</sup>
	DFG	NEMČIJA	Short Term: Ceiling - 52 mg/m <sup>3</sup> - 20 ppm
	ACGIH		Long Term: 25 ppm; Short Term: 10 mg/m <sup>3</sup> - 50 ppm A4 - Not Classifiable as a Human Carcinogen; upper respiratory tract irritation
	National	ŠVEDSKA	Long Term: 25 mg/m <sup>3</sup> - 10 ppm
	National	FRANCIJA	Long Term: 52 mg/m <sup>3</sup> - 20 ppm; Short Term: 104 mg/m <sup>3</sup> - 40 ppm
	National	ŠPANIJA	Long Term: 52 mg/m <sup>3</sup> - 20 ppm; Short Term: 104 mg/m <sup>3</sup> - 40 ppm
	National	GRČIJA	Long Term: 125 mg/m <sup>3</sup> - 50 ppm; Short Term: 125 mg/m <sup>3</sup> - 50 ppm
	National	DANSKA	Long Term: 26 mg/m <sup>3</sup> - 10 ppm
	National	DANSKA	Long Term: 10 mg/m <sup>3</sup> - 10 ppm
	National	FINSKA	Long Term: 50 mg/m <sup>3</sup> - 20 ppm; Short Term: 100 mg/m <sup>3</sup> - 40 ppm
	National	PORTUGALSK A	Long Term: 52 mg/m <sup>3</sup> - 20 ppm; Short Term: 104 mg/m <sup>3</sup> - 40 ppm
	National	NORVEŠKA	Long Term: 52 mg/m <sup>3</sup> - 20 ppm; Short Term: 104 mg/m <sup>3</sup> - 40 ppm
	NDS	POLJSKA	Long Term: 15 mg/m <sup>3</sup>
	NDSCh	POLJSKA	Short Term: 50 mg/m <sup>3</sup>
	National	PORTUGALSK A	Short Term: Ceiling - 100 mg/m <sup>3</sup>
	CHE	ŠVICA	Short Term: 52 mg/m <sup>3</sup> - 20 ppm
NDS	NIZOZEMSKA	Long Term: 52 mg/m <sup>3</sup> ; Short Term: 104 mg/m <sup>3</sup>	
NDS	NIZOZEMSKA	Long Term: 10 mg/m <sup>3</sup> ; Short Term: 104 mg/m <sup>3</sup>	
National	NEMČIJA	Long Term: 26 mg/m <sup>3</sup> - 10 ppm	
National	ČEŠKA	Long Term: 50 mg/m <sup>3</sup>	
National	MADŽARSKA	Long Term: 52 mg/m <sup>3</sup> ; Short Term: 104 mg/m <sup>3</sup>	
National	SLOVAŠKA	Long Term: 52 mg/m <sup>3</sup> - 20 ppm	

National SLOVENIJA	Long Term: 52 mg/m <sup>3</sup> - 20 ppm; Short Term: 104 mg/m <sup>3</sup> - 40 ppm
National ZDRUŽENO KRALJESTVO	Long Term: 10 mg/m <sup>3</sup> - 20 ppm; Short Term: 104 mg/m <sup>3</sup> - 40 ppm
National ZDRUŽENO KRALJESTVO	Long Term: 10 mg/m <sup>3</sup> - 20 ppm; Short Term: 30 mg/m <sup>3</sup> - 40 ppm
Malaysi a OEL	Short Term: Ceiling - 100 mg/m <sup>3</sup> - 39.4 ppm
National ESTONIJA	Long Term: 52 mg/m <sup>3</sup> - 20 ppm; Short Term: 104 mg/m <sup>3</sup> - 40 ppm
National LATVIJA	Long Term: 52 mg/m <sup>3</sup> - 20 ppm; Short Term: 104 mg/m <sup>3</sup> - 40 ppm
National ČEŠKA	Short Term: Ceiling - 100 mg/m <sup>3</sup>
National SLOVAŠKA	Short Term: Ceiling - 104 mg/m <sup>3</sup>
National HRVAŠKA	Long Term: 52 mg/m <sup>3</sup> - 20 ppm; Short Term: 104 mg/m <sup>3</sup> - 40 ppm
EU	Long Term: 52 mg/m <sup>3</sup> - 20 ppm; Short Term: 104 mg/m <sup>3</sup> - 40 ppm Behaviour Informativen Possibility of significant uptake through the skin
National ZDRUŽENO KRALJESTVO	Long Term: 52 mg/m <sup>3</sup> - 20 ppm; Short Term: 104 mg/m <sup>3</sup> - 40 ppm
National BOLGARIJA	Long Term: 52 mg/m <sup>3</sup> - 20 ppm; Short Term: 104 mg/m <sup>3</sup> - 40 ppm
National ROMUNIJA	Long Term: 52 mg/m <sup>3</sup> - 20 ppm; Short Term: 104 mg/m <sup>3</sup> - 40 ppm
TUR PURAN	Long Term: 52 mg/m <sup>3</sup> - 20 ppm; Short Term: 104 mg/m <sup>3</sup> - 40 ppm
National LITVA	Long Term: 25 mg/m <sup>3</sup> - 10 ppm; Short Term: 50 mg/m <sup>3</sup> - 20 ppm

### Predicted No Effect Concentration (PNEC) values

Formaldehid, oligomerni reakcijski produkti z 1-kloro-2,3-epoksipropanom in fenolom  
CAS: 9003-36-5  
Način izpostavitve: Mikroorganizmi v čistilnih napravah; PNEC Limit: 10 mg/l

Način izpostavitve: Sladka voda; PNEC Limit: 0.003 mg/l

Način izpostavitve: Sladkovodni sedimenti; PNEC Limit: 0.294 mg/kg

Način izpostavitve: Morska voda; PNEC Limit: 0.0003 mg/l

Način izpostavitve: Morski sedimenti; PNEC Limit: 0.0294 mg/kg

Način izpostavitve: Tla (kmetijska); PNEC Limit: 0.237 mg/kg

oksiran, mono[(C12-14-alkiloksi)metil] derivati  
CAS: 68609-97-2  
Način izpostavitve: Morska voda; PNEC Limit: 0.00072 mg/l

Način izpostavitve: Sladka voda; PNEC Limit: 0.0072 mg/l

Način izpostavitve: Sladkovodni sedimenti; PNEC Limit: 66.77 mg/kg

Način izpostavitve: Morski sedimenti; PNEC Limit: 6.677 mg/kg

Način izpostavitve: Tla (kmetijska); PNEC Limit: 80.12 mg/kg

Način izpostavitve: Mikroorganizmi v čistilnih napravah; PNEC Limit: 10 mg/l

etandiol  
CAS: 107-21-1  
Način izpostavitve: Sladka voda; PNEC Limit: 10 mg/l

Način izpostavitve: Morska voda; PNEC Limit: 1 mg/l

Način izpostavitve: Tla (kmetijska); PNEC Limit: 1.53 mg/kg

Način izpostavitve: Sladkovodni sedimenti; PNEC Limit: 37 mg/kg

Način izpostavitve: Intermittent release; PNEC Limit: 10 mg/l

Način izpostavitve: Mikroorganizmi v čistilnih napravah; PNEC Limit: 199.5 mg/l

Način izpostavitve: Morski sedimenti; PNEC Limit: 3.7 mg/kg

### Derived No Effect Level (DNEL) values

etandiol  
CAS: 107-21-1  
Exposure Route: Dermalno, človek; Exposure Frequency: Dolgotrajna, sistemski učinek  
Worker Industry: 106 mg/kg; Consumer: 53 mg/kg

Exposure Route: Oralno, človek; Exposure Frequency: Dolgotrajna, sistemski učinek  
Consumer: 53 mg/kg

Exposure Route: Z vdihavanjem, človek; Exposure Frequency: Dolgotrajna, lokalni učinek  
Worker Industry: 35 mg/m<sup>3</sup>; Consumer: 7 mg/m<sup>3</sup>

## 8.2. Exposure controls

### Eye protection:

Use close fitting safety goggles, don't use eye lens.

### Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

### Protection for hands:

Materiali primerni za zaščitne rokavice; EN ISO 374:

Polikloropren - CR: debeline  $\geq 0,5$  mm; čas preboja  $\geq 480$  min.

Nitril kavčuk - NBR: debeline  $\geq 0,35$  mm; čas preboja  $\geq 480$  min.

Butil kavčuk - IIR: debeline  $\geq 0,5$  mm; čas preboja  $\geq 480$  min.

Fluoriran kavčuk - FKM: debeline  $\geq 0,4$  mm; čas preboja  $\geq 480$  min.

Priporoča se uporaba neoprenskih rokavic (0,5 mm). Rokavice, ki naj se ne uporabljajo: na vodo neodporne rokavice.

### Respiratory protection:

Osebna zaščitna oprema mora biti v skladu z ustreznimi CE standardi (kot npr. EN ISO 374 za rokavice in EN ISO 166 za očala), pravilno vzdrževana in shranjena. Pred nakupom se posvetujte z dobavitelji zaščitne opreme, preverite ustreznost opreme in upoštevajte podatke o uporabnikih (ergonomičnost opreme).

Zaščita dihal je treba uporabiti, kadar stopnje izpostavljenosti presegajo omejitve izpostavljenosti na delovnem mestu. Za informacije o izbiri in uporabi ustrezne opreme za zaščito dihal se nanašajo na ustrezne standarde EN, kot so EN 136, 140, 143, 149, 14387.

V primeru nezadostnega prezračevanja uporabljajte masko z ABEKP (EN 14387) filtrom

### Hygienic and Technical measures

Not available

### Ustrezen tehnološki nadzor:

Not available

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## SECTION 9: Physical and chemical properties

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

Fizično stanje: Tekoče

Appearance: tekočina

Color: bela

Odour: značilno

Odour threshold: Not available

Melting point / freezing point: 0 °C (32 °F)

Initial boiling point and boiling range: 100 °C (212 °F)

Flammability: Ni razpoložljivo

Lower and upper explosion limit: Not available

Flash point: 80 °C (176 °F)

Auto-ignition temperature: Not available

Decomposition temperature: Not available

pH: Not Relevant

Viscosity: 9,000.00 cPs

Kinematic viscosity: Not available

Solubility in water: disperzivno

Solubility in oil: topno

Partition coefficient (n-octanol/water): Not available

Vapour pressure: 2.34

Relative density: 1.10 g/cm<sup>3</sup>

Vapour density: 0.017

#### Particle characteristics:

Particle size: Not available

### 9.2. Other information

Miscibility: Not available

Conductivity: Not available

Explosive properties: ==

Solid/gas flammability: ==

No other relevant information

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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Stable under normal conditions

### 10.2. Chemical stability

Stable under normal conditions

### 10.3. Possibility of hazardous reactions

None.

### 10.4. Conditions to avoid

Stable under normal conditions.

### 10.5. Incompatible materials

None in particular.

### 10.6. Hazardous decomposition products

None.

## SECTION 11: Toxicological information

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

#### Toksikološki podatki zmesi:

a) akutna strupenost	Not classified Based on available data, the classification criteria are not met
b) jedkost za kožo/draženje kože	The product is classified: Skin Irrit. 2(H315)
c) resne okvare oči/draženje	The product is classified: Eye Irrit. 2(H319)
d) preobčutljivost pri vdihavanju in preobčutljivost kože	The product is classified: Skin Sens. 1B(H317)
e) mutagenost za zarodne celice	Not classified Based on available data, the classification criteria are not met
f) rakotvornost	Not classified Based on available data, the classification criteria are not met
g) strupenost za razmnoževanje	Not classified Based on available data, the classification criteria are not met
h) STOT – enkratna izpostavljenost	Not classified Based on available data, the classification criteria are not met
i) STOT – ponavljajoča se izpostavljenost	Not classified Based on available data, the classification criteria are not met
j) nevarnost pri vdihavanju	Not classified Based on available data, the classification criteria are not met

#### Toxicological information on main components of the mixture:

bis[4,4'-bis(glicidiloksi)fenil]propan	a) akutna strupenost	LD50 Koža Zajec = 20 mg/kg LD50 Oralno Podgana = 11300 µL/kg
Formaldehid, oligomerni reakcijski produkti z 1-kloro-2,3-epoksiopropanom in fenolom	a) akutna strupenost	LD50 Oralno Podgana > 5000 mg/kg LD50 Koža Podgana > 2000 mg/kg i) STOT – ponavljajoča se izpostavljenost
oksiran, mono[(C12-14-alkiloksi)metil] derivati	a) akutna strupenost	LD50 Oralno Podgana = 19200 mg/kg LD50 Koža Zajec = 4000 mg/kg
etandiol	a) akutna strupenost	LC50 Vdihavanje Podgana > 2.5 mg/l 6h LD50 Koža Podgana > 3500 mg/kg
1,2-benzizotiazol-3(2H)-on; 1,2-benzizotiazol-3(2H)-on	a) akutna strupenost	LD50 Oralno Podgana = 670 mg/kg

## 11.2. Information on other hazards

### Endocrine disrupting properties:

No endocrine disruptor substances present in concentration  $\geq 0.1\%$

## SECTION 12: Ecological information

### 12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

Eco-Toxicological Information:

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### List of Eco-Toxicological properties of the product

The product is classified: Aquatic Chronic 2(H411)

#### List of Eco-Toxicological properties of the components

Sestavina	Ident. Numb.	Ecotox Data
bis[4,4'-bis(glicidiloksi)fenil]propan	CAS: 1675-54-3, a) 25085-99-8 - EINECS: 216- 823-5 - INDEX: 603-073-00-2	a) akutna strupenost za vodno okolje : LC50 Riba = 2 mg/l 96h
Formaldehid, oligomerni reakcijski produkti z 1-kloro-2,3-epoksipropanom in fenolom	CAS: 9003-36-5 - EINECS: 701- 263-0	a) akutna strupenost za vodno okolje : EC50 Daphnia = 1.8 mg/l 48h a) akutna strupenost za vodno okolje : LC50 Riba = 5.7 mg/l 96h
oksiran, mono[(C12-14-alkiloksi)metil] derivati	CAS: 68609-97- 2 - EINECS: 271-846-8 - INDEX: 603- 103-00-4	a) akutna strupenost za vodno okolje : EC50 Daphnia = 2.55 mg/l 48h a) akutna strupenost za vodno okolje : EC50 Algae = 1.8 mg/l 72h a) akutna strupenost za vodno okolje : LC50 Riba > 100 mg/l 96h
etandiol	CAS: 107-21-1 - EINECS: 203- 473-3 - INDEX: 603-027-00-1	a) akutna strupenost za vodno okolje : EL50 Daphnia = 7.2 mg/l 48h a) akutna strupenost za vodno okolje : EC50 Algae = 843 mg/l 72h b) kronična strupenost za vodno okolje : NOEC Algae = 500 mg/l 72h a) akutna strupenost za vodno okolje : EC50 Daphnia > 100 mg/l 48h a) akutna strupenost za vodno okolje : EC50 Algae > 100 mg/l 96 a) akutna strupenost za vodno okolje : LC50 Riba > 100 mg/l 96 b) kronična strupenost za vodno okolje : NOEC Riba > 100 mg/l - 7 d b) kronična strupenost za vodno okolje : NOEC Daphnia > 100 mg/l - 7 d b) kronična strupenost za vodno okolje : NOEC Algae > 100 mg/l 72 a) akutna strupenost za vodno okolje : LC50 Riba Oncorhynchus mykiss = 41000 mg/l 96h IUCLID a) akutna strupenost za vodno okolje : LC50 Riba Oncorhynchus mykiss 14 ml/l 96h EPA a) akutna strupenost za vodno okolje : LC50 Riba Lepomis macrochirus = 27540 mg/l 96h EPA a) akutna strupenost za vodno okolje : LC50 Riba Oncorhynchus mykiss = 40761 mg/l 96h IUCLID a) akutna strupenost za vodno okolje : LC50 Riba Pimephales promelas 40000 mg/l 96h EPA a) akutna strupenost za vodno okolje : LC50 Riba Poecilia reticulata = 16000 mg/l 96h IUCLID a) akutna strupenost za vodno okolje : EC50 Daphnia Daphnia magna = 46300 mg/l 48h IUCLID a) akutna strupenost za vodno okolje : EC50 Algae Pseudokirchneriella



subcapitata 6500 mg/l 96h IUCLID

1,2-benzizotiazol-3(2H)-on; 1,2-benzizotiazol-3(2H)-on

CAS: 2634-33-5  
- EINECS: 220-120-9 - INDEX: 613-088-00-6

a) akutna strupenost za vodno okolje : LC50 Riba = 2.15 mg/l

b) kronična strupenost za vodno okolje : NOEC Algae = 0.0403 mg/l 72h

b) kronična strupenost za vodno okolje : EC50 Algae = 0.11 mg/l 72h

b) kronična strupenost za vodno okolje : EC10 Algae = 0.04 mg/l 72h

b) kronična strupenost za vodno okolje : EC50 Daphnia = 3.27 mg/l 48h

NOEC Daphnia = 1.2 mg/l 21d

## 12.2. Persistence and degradability

### Sestavina

oksiran, mono[(C12-14-alkiloksi)metil] derivati

### Persistence/Degradability:

Hitro razgradljivo

## 12.3. Bioaccumulative potential

### Sestavina

oksiran, mono[(C12-14-alkiloksi)metil] derivati

### Kopičenje v organizmih

Se ne kopiči v organizmih

## 12.4. Mobility in soil

Ni razpoložljivo

## 12.5. Results of PBT and vPvB assessment

No PBT, vPvB or endocrine disruptor substances present in concentration  $\geq 0.1\%$

## 12.6. Endocrine disrupting properties

No endocrine disruptor substances present in concentration  $\geq 0.1\%$

## 12.7. Other adverse effects

Not available

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## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Kadar koli je mogoče, se je treba izogibati ali zmanjšati nastajanje odpadkov. Po možnosti obnovite.

Kode za odpadke (EWC) v skladu z Evropskim seznamom odpadkov (LoW) zaradi odvisnosti od uporabe ni mogoče določiti. Obrnite se in pošljite pooblaščenim službi za odstranjevanje odpadkov.

Načini odstranjevanja:

Odstranjevanje tega izdelka, raztopin, embalaže in drugih stranskih proizvodov bi moralo biti vedno v skladu z zahtevami zakonodaje o varstvu okolja in odstranjevanjem odpadkov ter vsemi zahtevami regionalnih lokalnih oblasti.

Odvečne izdelke in izdelke, ki jih ni mogoče reciklirati, zavrzite prek pooblaščenega izvajalca za odstranjevanje odpadkov.

Ne odlagajte odpadkov v kanalizacijo.

Nevarni odpadki: Yes

Odstranjevanje:

Ne dovolite vstopa v odtoke ali vodotoke.

Izdelek odstranite v skladu z vsemi zveznimi, državnimi in lokalnimi veljavnimi predpisi.

Če se ta izdelek meša z drugimi odpadki, izvirna koda odpadnega proizvoda morda ne bo več veljavna in dodelite ustrezno kodo.

Posode, onesnažene s proizvodom, zavrzite v skladu z lokalnimi ali nacionalnimi zakonskimi predpisi. Za dodatne informacije se obrnite na vaš lokalni organ za ravnanje z odpadki.

Posebni previdnostni ukrepi:

Ta material in njegovo posodo je treba odstraniti na varen način. Bodite previdni pri ravnanju z neobdelanimi praznimi posodami.

Izogibajte se raztrosu razlitega materiala in odtokom ter stiku z zemljo, vodnimi potmi, otoki in odplakami.

V praznih posodah ali oblogah lahko ostanejo nekateri ostanki izdelka. Praznih posod ne uporabljajte več.

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## SECTION 14: Transport information

### 14.1. UN number or ID number

3082

### 14.2. UN proper shipping name

ADR-Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (epoxy resins)

IATA-Technical name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (epoxy resins)

IMDG-Technical name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (epoxy resins)

### 14.3. Transport hazard class(es)

ADR-Class: 9  
IATA-Class: 9  
IMDG-Class: 9

#### 14.4. Packing group

ADR-Packing Group: III  
IATA-Packing group: III  
IMDG-Packing group: III

#### 14.5. Environmental hazards

Marine pollutant: Yes  
Environmental Pollutant: Yes  
IMDG-EMS: F-A, S-F

#### 14.6. Special precautions for user

Road and Rail (ADR-RID):

ADR-Etiketa: 9  
ADR-Zgornja številka: 90  
ADR-posebni ukrepi: 274 335 375 601  
ADR-Transport category (Tunnel restriction code): 3 (-)  
ADR-Prag omejene količine: 5 L

Air (IATA):

IATA-Passenger Aircraft: 964  
IATA-Cargo Aircraft: 964  
IATA-Label: 9  
IATA-Subsidiary hazards: -  
IATA-Erg: 9L  
IATA-Special Provisions: A97 A158 A197 A215

Sea (IMDG):

IMDG-Stowage Code: Category A  
IMDG-Stowage Note: -  
IMDG-Subsidiary hazards: -  
IMDG-Special Provisions: 274 335 969  
IMDG-EMS: F-A, S-F

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

Not Applicable

Za te snovi, če se prevažajo v enojni ali kombinirani embalaži, ki vsebuje neto količino na posamezno ali notranjo embalažo 5 litrov ali manj, ali z neto maso na eno ali notranjo embalažo 5 kg ali manj, se ne uporabljajo določbe ADR, IMDG in IATA DGR.

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## SECTION 15: Regulatory information

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

HOS (2004/42/EC) : N.A. g/l  
Dir. 98/24/EC (Risks related to chemical agents at work)  
Dir. 2000/39/EC (Occupational exposure limit values)  
Regulation (EC) n. 1907/2006 (REACH)  
Regulation (EU) n. 2020/878  
Regulation (EC) n. 1272/2008 (CLP)  
Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013  
Regulation (EU) n. 286/2011 (ATP 2 CLP)  
Regulation (EU) n. 618/2012 (ATP 3 CLP)  
Regulation (EU) n. 487/2013 (ATP 4 CLP)  
Regulation (EU) n. 944/2013 (ATP 5 CLP)  
Regulation (EU) n. 605/2014 (ATP 6 CLP)  
Uredba (EU) št. 2015/1221 (7. ATP CLP)  
Regulation (EU) n. 2016/918 (ATP 8 CLP)  
Regulation (EU) n. 2016/1179 (ATP 9 CLP)  
Regulation (EU) n. 2017/776 (ATP 10 CLP)  
Regulation (EU) n. 2018/669 (ATP 11 CLP)  
Regulation (EU) n. 2019/521 (ATP 12 CLP)  
Regulation (EU) n. 2018/1480 (ATP 13 CLP)  
Regulation (EU) n. 2020/217 (ATP 14 CLP)  
Regulation (EU) n. 2020/1182 (ATP 15 CLP)

Regulation (EU) n. 2021/643 (ATP 16 CLP)

Uredba (EU) 2021/849 (17. ATP CLP)

Uredba (EU) 2022/692 (18. ATP CLP)

Provisions related to directive EU 2012/18 (Seveso III):

**Seveso III category according to Annex 1, part 1**

Product belongs to category: E2 200 500

**Omejitve, povezane z izdelkom ali vsebovanimi snovmi, v skladu s Prilogo XVII Uredbe (ES) 1907/2006 (REACH) in poznejše spremembe:**

Restrictions related to the product: 3

Restrictions related to the substances contained: 75

**SVHC Substances:**

Snovi SVHC, ki niso prisotne v koncentraciji  $\geq 0,1\%$  (w/w)

**Nacionalni predpisi**

Lagerklasse (TRGS-510): 10 - Combustible liquids, that cannot be assigned to any of the aforementioned LGK

**Nemški razred nevarnosti za vodo (WGK)**

Razred 2: ogroža vodo.

**15.2. Chemical safety assessment**

No Chemical Safety Assessment has been carried out for the mixture.

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**SECTION 16: Other information**

Code	Description
H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H373	May cause damage to organs through prolonged or repeated exposure if swallowed.
H411	Toxic to aquatic life with long lasting effects.

Code	Hazard class and hazard category	Description
3.1/4/Oral	Acute Tox. 4	Acute toxicity (oral), Category 4
3.2/2	Skin Irrit. 2	Skin irritation, Category 2
3.3/2	Eye Irrit. 2	Eye irritation, Category 2
3.4.2/1	Skin Sens. 1	Skin Sensitisation, Category 1
3.4.2/1B	Skin Sens. 1B	Skin Sensitisation, Category 1B
3.9/2	STOT RE 2	Specific target organ toxicity — repeated exposure, Category 2
4.1/C2	Aquatic Chronic 2	Chronic (long term) aquatic hazard, category 2

**Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:**

**Classification according to Regulation (EC) Nr. 1272/2008**

Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
Skin Irrit. 2, H315	Calculation method
Eye Irrit. 2, H319	Calculation method
Skin Sens. 1B, H317	Calculation method
Aquatic Chronic 2, H411	Calculation method

Po potrebi so posebne določbe v zvezi z možnim usposabljanjem delavcev omenjene v oddelku 2. Vsako usposabljanje, povezano z varnostjo na delovnem mestu, mora v vsakem primeru sklicevati na oceno tveganja, ki jo mora izvajati uradnik za varnost podjetja ob upoštevanju posebnega Operacijski in okoljski pogoji, v katerih se uporabljajo izdelki.

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This SDS cancels and replaces any preceding release.

Legend to abbreviations and acronyms used in the safety data sheet:

ACGIH: American Conference of Governmental Industrial Hygienists

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.  
AND: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
ATE: Acute Toxicity Estimate  
ATEmix: Acute toxicity Estimate (Mixtures)  
BCF: Biological Concentration Factor  
BEI: Biological Exposure Index  
BOD: Biochemical Oxygen Demand  
CAS: Chemical Abstracts Service (division of the American Chemical Society).  
CAV: Poison Center  
CE: European Community  
CLP: Classification, Labeling, Packaging.  
CMR: Carcinogenic, Mutagenic and Reprotoxic  
COD: Chemical Oxygen Demand  
COV: Volatile Organic Compound  
CSA: Chemical Safety Assessment  
CSR: Chemical Safety Report  
DMEL: Derived Minimal Effect Level  
DNEL: Derived No Effect Level.  
DPD: Dangerous Preparations Directive  
DSD: Dangerous Substances Directive  
EC50: Half Maximal Effective Concentration  
ECHA: European Chemicals Agency  
EINECS: European Inventory of Existing Commercial Chemical Substances.  
ES: Exposure Scenario  
GefStoffVO: Ordinance on Hazardous Substances, Germany.  
GHS: Globally Harmonized System of Classification and Labeling of Chemicals.  
IARC: International Agency for Research on Cancer  
IATA: International Air Transport Association.  
IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).  
IC50: half maximal inhibitory concentration  
ICAO: International Civil Aviation Organization.  
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).  
IMDG: International Maritime Code for Dangerous Goods.  
INCI: International Nomenclature of Cosmetic Ingredients.  
IRCCS: Scientific Institute for Research, Hospitalization and Health Care  
KAFH: KAFH  
KSt: Explosion coefficient.  
LC50: Lethal concentration, for 50 percent of test population.  
LD50: Lethal dose, for 50 percent of test population.  
LDLo: Leathal Dose Low  
N.A.: Not Applicable  
N/A: Not Applicable  
N/D: Not defined/ Not available  
NA: Not available  
NIOSH: National Institute for Occupational Safety and Health  
NOAEL: No Observed Adverse Effect Level  
OSHA: Occupational Safety and Health Administration  
PBT: Persistent, Bioaccumulative and Toxic  
PGK: Packaging Instruction  
PNEC: Predicted No Effect Concentration.  
PSG: Passengers  
RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.  
STEL: Short Term Exposure limit.  
STOT: Specific Target Organ Toxicity.  
TLV: Threshold Limiting Value.  
TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).  
vPvB: Very Persistent, Very Bioaccumulative.  
WGK: German Water Hazard Class.

**Paragraphs modified from the previous revision:**

- SECTION 2: Hazards identification
- SECTION 3: Composition/information on ingredients
- SECTION 5: Firefighting measures

- SECTION 6: Accidental release measures
- SECTION 7: Handling and storage
- SECTION 8: Exposure controls/personal protection
- SECTION 9: Physical and chemical properties
- SECTION 11: Toxicological information
- SECTION 12: Ecological information
- SECTION 14: Transport information
- SECTION 15: Regulatory information
- SECTION 16: Other information