

Trade name: cds-AGL SlotRestore flex

Version: 4 / GB

Date revised: 30.07.2025

Substance number: 19481

Replaces Version: 3 / GB

Print date: 17.12.2025

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

### **1.1. Product identifier**

cds-AGL SlotRestore flex

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

#### **Use of the substance/preparation**

Coating material

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

#### **Address/Manufacturer**

cds Polymere GmbH &amp; Co. KG

Gau-Bickelheimer Str. 72

55576 Sprendlingen/Rhh.

Telephone no. +49(6701) 9350-0

Fax no. +49(6701) 9350-50

Information provided info@cds-polymere.de

by / telephone

### **1.4. Emergency telephone number**

Emergency CONTACT (24-Hour-Number): GBK GmbH +49 (0)6132-84463

## **SECTION 2: Hazards identification \*\*\***

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

#### **Classification (Regulation (EC) No. 1272/2008)**

Classification (Regulation (EC) No. 1272/2008)

Skin Irrit. 2 H315

Eye Irrit. 2 H319

Skin Sens. 1 H317

Repr. 1B H360F

Aquatic Chronic 3 H412

The product is classified and labelled in accordance with Regulation (EC) No 1272/2008

For explanation of abbreviations see section 16.

### **2.2. Label elements**

#### **Labelling according to regulation (EC) No 1272/2008**

#### **Hazard pictograms**



#### **Signal word**

Danger

#### **Hazard statements**

H315

Causes skin irritation.

H319

Causes serious eye irritation.

H317

May cause an allergic skin reaction.

H360F

May damage fertility.

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H412 Harmful to aquatic life with long lasting effects.

**Precautionary statements**

P201 Obtain special instructions before use.  
 P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
 P273 Avoid release to the environment.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P308+P313 IF exposed or concerned: Get medical advice/ attention.  
 P501.a Dispose of contents/container to licensed disposal contractor and according to official state regulations.

**Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)**

contains oxirane, mono[(C12-14-alkyloxy)methyl] derivs. Bisphenol-F-diglycidyl ether, reaction mass of isomers; 1,6- hexanediol diglycidyl ether; bis-[4-(2,3-epoxipropoxi)phenyl]propane

**Supplemental information**

EUH205 Contains epoxy constituents. May produce an allergic reaction.

**Further supplemental information**

Restricted to professional users

**2.3. Other hazards**

No special hazards have to be mentioned.

The product contains no PBT substances. The product contains no vPvB substances. This product does not contain a substance that has endocrine disrupting properties with respect to human. The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

**SECTION 3: Composition/information on ingredients \*\*\*****3.2. Mixtures****Hazardous ingredients****bis-[4-(2,3-epoxipropoxi)phenyl]propane**

CAS No. 1675-54-3  
 EINECS no. 216-823-5  
 Registration no. 01-2119456619-26-XXXX  
 Concentration  $\geq$  5 < 10 %  
 Classification (Regulation (EC) No. 1272/2008)  
 Skin Irrit. 2 H315  
 Skin Sens. 1 H317  
 Eye Irrit. 2 H319  
 Aquatic Chronic 2 H411

**Concentration limits (Regulation (EC) No. 1272/2008)**

Eye Irrit. 2 H319  $\geq$  5 %  
 Skin Irrit. 2 H315  $\geq$  5 %

**1,6- hexanediol diglycidyl ether**

CAS No. 16096-31-4  
 EINECS no. 240-260-4  
 Registration no. 01-2119463471-41-XXXX  
 Concentration  $\geq$  1 < 10 %  
 Classification (Regulation (EC) No. 1272/2008)  
 Skin Irrit. 2 H315  
 Skin Sens. 1 H317  
 Eye Irrit. 2 H319  
 Repr. 1B H360F

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**Bisphenol-F-diglycidyl ether, reaction mass of isomers**

CAS No.	9003-36-5			
EINECS no.	701-263-0			
Registration no.	01-2119454392-40-XXXX			
Concentration	>= 2,5	<	10	%
Classification (Regulation (EC) No. 1272/2008)				
	Skin Irrit. 2			H315
	Skin Sens. 1A			H317
	Aquatic Chronic 2			H411

**oxirane, mono[(C12-14-alkyloxy)methyl] derivs.**

CAS No.	68609-97-2			
EINECS no.	271-846-8			
Registration no.	01-2119485289-22-XXXX			
Concentration	>= 1	<	10	%
Classification (Regulation (EC) No. 1272/2008)				
	Skin Irrit. 2			H315
	Skin Sens. 1			H317
	Repr. 1B			H360F

**SECTION 4: First aid measures \*\*\*****4.1. Description of first aid measures****General information**

Remove contaminated, soaked clothing immediately and dispose of safely. Adhere to personal protective measures when giving first aid. Clean body thoroughly (bath, shower). In any case show the physician the Safety Data Sheet.

**After inhalation**

Ensure supply of fresh air. Remove affected person from danger area. Seek medical advice immediately. Give a Cortison spray at an early stage.

**After skin contact**

Wash off immediately with soap and water. Seek medical advice immediately.

**After eye contact**

Separate eyelids, wash the eyes thoroughly with water (15 min.). Take medical treatment.

**After ingestion**

Call in a physician immediately and show him the Safety Data Sheet. Rinse mouth thoroughly with water. Let plenty of water be drunk in small gulps. Do not induce vomiting.

**Adhere to personal protective measures when giving first aid**

First aider: Pay attention to self-protection!

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

Until now no symptoms known so far.

**4.3. Indication of any immediate medical attention and special treatment needed****Hints for the physician / hazards**

In the case of swallowing with subsequent vomiting, aspiration of the lungs can occur which can lead to chemical pneumonia or asphyxiation.

**SECTION 5: Firefighting measures \*\*\***

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## 5.1. Extinguishing media

### Suitable extinguishing media

Dry powder

### Non suitable extinguishing media

Full water jet

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

In case of combustion evolution of dangerous gases possible. Carbon monoxide (CO); Carbon dioxide (CO<sub>2</sub>); Pyrolysis products

## 5.3. Advice for firefighters

### Special protective equipment for fire-fighting

Do not inhale explosion and/or combustion gases. In case of combustion use a suitable breathing apparatus. Wear full protective suit.

### Other information

Collect contaminated fire-fighting water separately, must not be discharged into the drains. Fire residues and contaminated fire-fighting water must be disposed of in accordance with the local regulations. Observe manufacturer's / distributor's instructions.

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

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

Use breathing apparatus if exposed to vapours/dust/aerosol. Avoid contact with skin, eyes and clothing. Refer to protective measures listed in Sections 7 and 8.

### 6.2. Environmental precautions

Prevent spread over a wide area (e.g. by containment or oil barriers). Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil. Retain and dispose of contaminated wash water. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

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

Pick up with absorbent material. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations. Containers in which spilt substance has been collected must be adequately labelled. Dispose of absorbed material in accordance with the regulations.

### 6.4. Reference to other sections

Refer to protective measures listed in Sections 7 and 8.

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

### 7.1. Precautions for safe handling

#### Advice on safe handling

Avoid formation of aerosols. Perform filling operations only at stations with exhaust ventilation facilities. Provide suitable exhaust ventilation at the processing machines. If workplace limits are exceeded, a respiratory protection approved for this particular job must be worn. Keep container tightly closed.

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

#### Requirements for storage rooms and vessels

Keep in original packaging, tightly closed. Storage rooms must be properly ventilated. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Provide solvent-resistant and impermeable floor.

#### Hints on storage assembly

Do not store together with foodstuffs.

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**Further information on storage conditions**

Do not keep at temperatures above 20 °C.

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

Read attached instructions before use.

**SECTION 8: Exposure controls/personal protection \*\*\*****8.1. Control parameters****Other information**

Abbreviations: E = respirable part, A = alveoli absorbable part

There are not known any further control parameters.

**Derived No/Minimal Effect Levels (DNEL/DMEL)****bis-[4-(2,3-epoxipropoxy)phenyl]propane**

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	8,3	mg/kg

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	12,3	mg/m <sup>3</sup>

**oxirane, mono[(C12-14-alkyloxy)methyl] derivs.**

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	1	mg/kg/d

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	3,6	mg/m <sup>3</sup>

**Bisphenol-F-diglycidyl ether, reaction mass of isomers**

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	104,15	mg/kg

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	inhalative	

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Mode of action	Systemic effects	
Concentration	29,39	mg/m <sup>3</sup>

**1,6- hexanediol diglycidyl ether**

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	3,88	mg/m <sup>3</sup>

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Local effects	
Concentration	0,44	mg/m <sup>3</sup>

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Short term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	3,88	mg/m <sup>3</sup>

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	2,2	mg/kg/d

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	dermal	
Mode of action	Local effects	
Concentration	0,0226	mg/cm <sup>2</sup>

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Short term	
Route of exposure	dermal	
Mode of action	Local effects	
Concentration	0,0226	mg/cm <sup>2</sup>

**Predicted No Effect Concentration (PNEC)**

**bis-[4-(2,3-epoxipropoxy)phenyl]propane**

Type of value	PNEC	
Type	Water	
Concentration	0,006	mg/l

Type of value	PNEC	
Type	Marine	
Concentration	0,0006	mg/l

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Type of value	PNEC		
Type	Freshwater sediment		
Concentration	0,341		mg/kg
Type of value	PNEC		
Type	Marine sediment		
Concentration	0,034		mg/kg
Type of value	PNEC		
Type	Sewage treatment plant (STP)		
Concentration	10		mg/l
Type of value	PNEC		
Type	Soil		
Concentration	0,065		mg/kg

**oxirane, mono[(C12-14-alkyloxy)methyl] derivs.**

Type of value	PNEC		
Type	Freshwater		
Concentration	0,0072		mg/l
Type of value	PNEC		
Type	Marine		
Concentration	0,00072		mg/l
Type of value	PNEC		
Type	Freshwater sediment		
Concentration	307,16		mg/kg
Type of value	PNEC		
Type	Marine sediment		
Concentration	30,716		mg/kg
Type of value	PNEC		
Type	Soil		
Concentration	61,42		mg/kg
Type of value	PNEC		
Type	Sewage treatment plant (STP)		
Concentration	10		mg/l

**Bisphenol-F-diglycidyl ether, reaction mass of isomers**

Type of value	PNEC		
Type	Freshwater		
Concentration	0,003		mg/l
Type of value	PNEC		
Type	Marine		
Concentration	0,0003		mg/l
Type of value	PNEC		
Type	Freshwater sediment		
Concentration	0,294		mg/kg
Type of value	PNEC		
Type	Marine sediment		
Concentration	0,0294		mg/kg

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Type of value	PNEC		
Type	Sewage treatment plant (STP)		
Concentration	10	mg/kg	

Type of value	PNEC		
Type	Soil		
Concentration	0,237	mg/kg	

Type of value	PNEC		
Type	Water (intermittent release)		
Concentration	0,0254	mg/l	

**1,6- hexanediol diglycidyl ether**

Type of value	PNEC		
Type	Freshwater		
Concentration	0,111	mg/l	

Type of value	PNEC		
Type	Saltwater		
Concentration	0,0111	mg/l	

Type of value	PNEC		
Type	Water (intermittent release)		
Concentration	0,111	mg/l	

Type of value	PNEC		
Type	Freshwater sediment		
Concentration	2,29	mg/kg	

Type of value	PNEC		
Type	Marine sediment		
Concentration	0,229	mg/kg	

Type of value	PNEC		
Type	Soil		
Concentration	1,8	mg/kg	

Type of value	PNEC		
Type	Sewage treatment plant (STP)		
Concentration	1	mg/l	

**8.2. Exposure controls**

**General protective and hygiene measures**

Hold emergency shower available. Hold eye wash fountain available. Do not inhale gases/vapours/aerosols. Avoid contact with skin and eyes. Do not eat, drink or smoke during work time. Storage of foodstuffs in work rooms is forbidden. Wash hands before breaks and after work. Clean skin thoroughly after work; apply skin cream.

**Respiratory protection**

If workplace limits are exceeded, a respiratory protection approved for this particular job must be worn. Short term: filter apparatus, combination filter A-P2; The respiratory protection must comply with the relevant CEN standards.

**Hand protection**

Chemical resistant gloves  
Appropriate Material nitrile

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Material thickness  $\geq$  0,3 mmBreakthrough time  $\geq$  480 min

Hand protection must comply with EN 374.

Check leak-tightness/impermeability prior to use.

**Eye protection**

Safety glasses with side protection shield; Face shield; Eye protection must comply with EN 166.

**Body protection**

Clothing as usual in the chemical industry. Protective shoes; Personal protective clothing must comply with the relevant CEN standards.

**SECTION 9: Physical and chemical properties \*\*\*****9.1. Information on basic physical and chemical properties****Physical state** liquid**Odour** epoxide like**Colour** grey to black**Melting point**

Remarks not determined

**Freezing point**

Remarks not determined

**Boiling point or initial boiling point and boiling range**Value  $>$  200 °CPressure  $>$  1013 hPa**Flammability**

evaluation not determined

**Upper and lower explosive limits**

Remarks not determined

**Flash point**Value  $>$  100 °C**Ignition temperature**

Remarks not determined

**Decomposition temperature**

Remarks not determined

**pH value**

Remarks Not applicable

**Viscosity**

Remarks not determined

**Solubility(ies)**

Remarks not determined

**Partition coefficient n-octanol/water (log value)**

Remarks not determined

**Vapour pressure**

Remarks not determined

**Density and/or relative density**Value 1,9 g/cm<sup>3</sup>

Temperature 23 °C

**Relative vapour density**

Remarks not determined

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**9.2. Other information****Odour threshold**

Remarks not determined

**Evaporation rate (ether = 1) :**

Remarks not determined

**Solubility in water**

Remarks immiscible

**Explosive properties**

evaluation not determined

**Oxidising properties**

Remarks not determined

**Other information**

None known

**SECTION 10: Stability and reactivity \*\*\*****10.1. Reactivity**

No hazardous reactions when stored and handled according to prescribed instructions.

**10.2. Chemical stability**

No hazardous reactions known.

**10.3. Possibility of hazardous reactions**

No hazardous reactions known.

**10.4. Conditions to avoid**

No hazardous reactions known.

**10.5. Incompatible materials**

Reactions with strong oxidising agents. Reactions with strong acids. Reactions with strong alkalies.

**10.6. Hazardous decomposition products**

Toxic gases/vapours, Irritant gases/vapours

**SECTION 11: Toxicological information \*\*\*****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute oral toxicity**

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

**Acute oral toxicity (Components)****bis-[4-(2,3-epoxipropoxy)phenyl]propane**

Species	rat		
LD50		15000	mg/kg

**oxirane, mono[(C12-14-alkyloxy)methyl] derivs.**

Species	rat		
LD50		26800	mg/kg

**Bisphenol-F-diglycidyl ether, reaction mass of isomers**

Species	rat		
LD50	>	2000	mg/kg

**1,6- hexanediol diglycidyl ether**

Species	rat		
LD50		2190	mg/kg

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Method OECD 401

**Acute dermal toxicity**

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

**Acute dermal toxicity (Components)****bis-[4-(2,3-epoxipropoxy)phenyl]propane**Species rabbit  
LD50 23000 mg/kg**oxirane, mono[(C12-14-alkyloxy)methyl] derivs.**Species rabbit  
LD50 > 4000 mg/kg**Bisphenol-F-diglycidyl ether, reaction mass of isomers**Species rat  
LD50 > 2000 mg/kg**1,6- hexanediol diglycidyl ether**Species rat  
LD50 > 2000 mg/kg  
Method OECD 402**Acute inhalational toxicity**

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

**Acute inhalative toxicity (Components)****oxirane, mono[(C12-14-alkyloxy)methyl] derivs.**Species rat  
LC0 > 0,15 mg/l  
Duration of exposure 7 h

Administration/Form Vapors

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

**oxirane, mono[(C12-14-alkyloxy)methyl] derivs.**

Remarks Saturation Concentration: No demonstrable toxic effect

**1,6- hexanediol diglycidyl ether**Species rat  
LC0 0,035 mg/l  
Duration of exposure 4 h

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

**1,6- hexanediol diglycidyl ether**

Remarks Saturation Concentration: No demonstrable toxic effect

**bis-[4-(2,3-epoxipropoxy)phenyl]propane**

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

**bis-[4-(2,3-epoxipropoxy)phenyl]propane**

Remarks Saturation Concentration: No demonstrable toxic effect

**Bisphenol-F-diglycidyl ether, reaction mass of isomers**

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

**Bisphenol-F-diglycidyl ether, reaction mass of isomers**

Remarks Expert judgement

**Skin corrosion/irritation**

evaluation irritant

Remarks The classification criteria are met.

**Skin corrosion/irritation (Components)****1,6- hexanediol diglycidyl ether**Species rabbit  
evaluation irritant  
Method EPA

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**bis-[4-(2,3-epoxipropoxy)phenyl]propane**

Species	rabbit
evaluation	irritant
Method	OECD 404

**oxirane, mono[(C12-14-alkyloxy)methyl] derivs.**

Species	rabbit
evaluation	irritant
Method	OECD 404

**Bisphenol-F-diglycidyl ether, reaction mass of isomers**

Species	rabbit
evaluation	irritant
Method	OECD 404

**Serious eye damage/irritation**

evaluation	irritant
Remarks	The classification criteria are met.

**Serious eye damage/irritation (Components)****1,6- hexanediol diglycidyl ether**

Species	rabbit
evaluation	irritant
Method	OECD 405

**bis-[4-(2,3-epoxipropoxy)phenyl]propane**

Species	rabbit
evaluation	irritant
Method	OECD 405

**Sensitization**

evaluation	May cause sensitization by skin contact.
Remarks	The classification criteria are met.

**Sensitization (Components)****1,6- hexanediol diglycidyl ether**

Species	mouse
evaluation	sensitizing
Method	OECD 429

**bis-[4-(2,3-epoxipropoxy)phenyl]propane**

Species	mouse
evaluation	sensitizing
Method	OECD 429

**oxirane, mono[(C12-14-alkyloxy)methyl] derivs.**

Species	guinea pig
evaluation	sensitizing
Method	OECD 406

**Bisphenol-F-diglycidyl ether, reaction mass of isomers**

Species	guinea pig
evaluation	sensitizing
Method	OECD 406
Source	Buehler test

**Subacute, subchronic, chronic toxicity**

Remarks	not determined
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**Subacute, subchronic, chronic toxicity (Components)****1,6- hexanediol diglycidyl ether**

Route of exposure	oral
Species	rat

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NOAEL 300 mg/kg/d

**Mutagenicity**

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

**Reproductive toxicity**evaluation May damage fertility.  
Remarks The classification criteria are met.**Reproduction toxicity (Components)****1,6- hexanediol diglycidyl ether**evaluation May damage fertility.  
Remarks Indications of toxic effects are available from reproduction studies in animals.**oxirane, mono[(C12-14-alkyloxy)methyl] derivs.**Route of exposure oral  
Species rat  
Dose 10 mg/kg/d  
evaluation May damage fertility.  
Source OECD 443**Carcinogenicity**

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

**Specific Target Organ Toxicity (STOT)****Single exposure**

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

**Repeated exposure**

Remarks 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****Endocrine disrupting properties with respect to humans**

The product does not contain a substance that has endocrine disrupting properties with respect to humans.

**Experience in practice**

Inhalation may lead to irritation of the respiratory tract.

**Other information**

No toxicological data are available.

**SECTION 12: Ecological information \*\*\*****12.1. Toxicity****General information**

not determined

**Fish toxicity (Components)****bis-[4-(2,3-epoxipropoxy)phenyl]propane**Species rainbow trout (Oncorhynchus mykiss)  
LC50 1,3 mg/l  
Duration of exposure 96 h  
Method OECD 203**oxirane, mono[(C12-14-alkyloxy)methyl] derivs.**Species rainbow trout (Oncorhynchus mykiss)  
LC50 > 5000 mg/l

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Duration of exposure 96 h

**oxirane, mono[(C12-14-alkyloxy)methyl] derivs.**

Species Bluegill (*Lepomis macrochirus*)  
 LC50 > 1800 mg/l  
 Duration of exposure 96 h

**Bisphenol-F-diglycidyl ether, reaction mass of isomers**

Species golden orfe (*Leuciscus idus*)  
 EC50 2,54 mg/l  
 Duration of exposure 96 h

**1,6- hexanediol diglycidyl ether**

Species rainbow trout (*Oncorhynchus mykiss*)  
 LC50 30 mg/l  
 Duration of exposure 96 h  
 Method OECD 203

**1,6- hexanediol diglycidyl ether**

Species zebra fish (*Brachydanio rerio*)  
 EC10 1,24 mg/l  
 Method OECD 210

**Daphnia toxicity (Components)****bis-[4-(2,3-epoxipropoxy)phenyl]propane**

Species *Daphnia magna*  
 EC50 1,8 mg/l  
 Duration of exposure 48 h  
 Method OECD 202

**bis-[4-(2,3-epoxipropoxy)phenyl]propane**

Species *Daphnia magna*  
 NOEC 0,3 mg/l  
 Duration of exposure h  
 Method OECD 211

**Bisphenol-F-diglycidyl ether, reaction mass of isomers**

Species *Daphnia magna*  
 EC50 2,55 mg/l  
 Duration of exposure 48 h  
 Method OECD 202

**1,6- hexanediol diglycidyl ether**

Species *Daphnia magna*  
 EC50 39 mg/l  
 Duration of exposure 48 h 57  
 Method OECD 202

**1,6- hexanediol diglycidyl ether**

Species *Daphnia magna*  
 EL10 8,93 mg/l  
 Method OECD 211

**oxirane, mono[(C12-14-alkyloxy)methyl] derivs.**

Species *Daphnia magna*  
 EC50 7,2 mg/l  
 Duration of exposure 72 h  
 Method OECD 202

**Algae toxicity (Components)****bis-[4-(2,3-epoxipropoxy)phenyl]propane**

Species *Selenastrum capricornutum*  
 EC50 11 mg/l  
 Duration of exposure 72 h

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**oxirane, mono[(C12-14-alkyloxy)methyl] derivs.**

Species	Pseudokirchneriella subcapitata		
EC50	844		mg/l
Duration of exposure	72	h	
Method	OECD 201		

**Bisphenol-F-diglycidyl ether, reaction mass of isomers**

Species	Selenastrum capricornutum		
LC50	1,8		mg/l
Duration of exposure	72	h	
Method	OECD 201		

**1,6- hexanediol diglycidyl ether**

Species	Pseudokirchneriella subcapitata		
EC50	23,1		mg/l
Duration of exposure	48	h	

**1,6- hexanediol diglycidyl ether**

Species	Pseudokirchneriella subcapitata		
EC50	47		mg/l

**Bacteria toxicity (Components)****oxirane, mono[(C12-14-alkyloxy)methyl] derivs.**

Species	activated sludge		
EC50	> 100		mg/l
Duration of exposure	3	h	
Method	OECD 209		

**bis-[4-(2,3-epoxipropoxy)phenyl]propane**

Species	Pseudomonas putida		
EC50	100		mg/l

**12.2. Persistence and degradability****General information**

not determined

**Biodegradability (Components)****1,6- hexanediol diglycidyl ether**

Value	47			%
Duration of test	28	d		
evaluation	inherently biodegradable, fulfilling criteria			
Method	OECD 301 D			

**bis-[4-(2,3-epoxipropoxy)phenyl]propane**

Value	6	to	12	%
Duration of test	28	d		
evaluation	not readily degradable			
Method	OECD 301 F			

**oxirane, mono[(C12-14-alkyloxy)methyl] derivs.**

Value	87			%
Duration of test	28	d		
evaluation	Readily biodegradable (according to OECD criteria)			
Method	OECD 301 F			

**Bisphenol-F-diglycidyl ether, reaction mass of isomers**

Value	16			%
Duration of test	28	d		
evaluation	not readily degradable			
Method	OECD 301 B			

**12.3. Bioaccumulative potential**

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**General information**

not determined

**Partition coefficient n-octanol/water (log value)**

Remarks not determined

**Octanol/water partition coefficient (log Pow) (Components)****1,6- hexanediol diglycidyl ether**

log Pow 0,82

**bis-[4-(2,3-epoxipropoxy)phenyl]propane**

log Pow 3,242

Temperature 25 °C

**oxirane, mono[(C12-14-alkyloxy)methyl] derivs.**

log Pow 3,77

**Bisphenol-F-diglycidyl ether, reaction mass of isomers**

log Pow 3,6

Temperature 20 °C

**Bioconcentration factor (BCF) (Components)****bis-[4-(2,3-epoxipropoxy)phenyl]propane**

BCF 31

**oxirane, mono[(C12-14-alkyloxy)methyl] derivs.**

BCF 263

**Bisphenol-F-diglycidyl ether, reaction mass of isomers**

BCF 150

**12.4. Mobility in soil****General information**

not determined

**12.5. Results of PBT and vPvB assessment****General information**

not determined

**Results of PBT and vPvB assessment**

The product contains no PBT substances

The product contains no vPvB substances.

**12.6 Endocrine disrupting properties****General information**

not determined

**Endocrine disrupting properties with respect to the environment**

The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

**12.7. Other adverse effects****General information**

not determined

**General information / ecology**

Do not allow to enter soil, waterways or waste water canal. Avoid release into the atmosphere.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

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**Disposal recommendations for the product**

Allocation of a waste code number, according to the European Waste Catalogue (EWC), should be carried out in agreement with the regional waste disposal company.

**Disposal recommendations for packaging**

Packaging that cannot be cleaned should be disposed off in agreement with the regional waste disposal company.

**SECTION 14: Transport information**

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
14.1. UN number or ID number	The product does not constitute a hazardous substance in land transport.	The product does not constitute a hazardous substance in sea transport.	The product does not constitute a hazardous substance in air transport.
14.2. UN proper shipping name	-	-	-
14.3. Transport hazard class(es)	-	-	-
Label			
14.4. Packing group	-	-	-

**Information for all modes of transport****14.6. Special precautions for user**

The relevant transport regulations have to be considered.

**Other information****14.7 Maritime transport in bulk according to IMO instruments**

no data

**SECTION 15: Regulatory information \*\*\*****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****VOC**

VOC (EU) 0,28 % 5,4 g/l

**Other regulations, restrictions and prohibition regulations**

Handling epoxy resin systems safely (published by PlasticsEurope) [www.plasticseurope.org](http://www.plasticseurope.org)

This product meets the requirements of Regulation (EC) No. 1935/2004 on the limitation of VOC content. EU2004/42/IIA(j)500(2010): <500g/l VOC

**Restriction according to annex XVII to regulation (EU) No 1907/2006**

Conditions of restriction for the entries Annex XVII REACH should be considered.

**GIS-Code**

GIS-Code RE 90

**Other information**

The product does not contain substances according to: Candidate List for inclusion in Annex XIV of Regulation (EC) No. 1907/2006 (REACH).

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## 15.2. Chemical safety assessment

For this preparation a chemical safety assessment has not been carried out.

## SECTION 16: Other information

Relevant changes compared with the previous version of the safety data sheet are marked with: \*\*\*

### Key literature references and sources for data

SDS  
ECHA

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

Classification (Regulation (EC) No. 1272/2008)

Skin Irrit. 2	H315	Calculation method
Eye Irrit. 2	H319	Calculation method
Skin Sens. 1	H317	Calculation method
Repr. 1B	H360F	Calculation method
Aquatic Chronic 3	H412	Calculation method

### Hazard statements listed in Chapter 2/3

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H360F	May damage fertility.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

### CLP categories listed in Chapter 2/3

Aquatic Chronic 2	Hazardous to the aquatic environment, chronic, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment, chronic, Category 3
Eye Irrit. 2	Eye irritation, Category 2
Repr. 1B	Reproductive toxicity, Category 1B
Skin Irrit. 2	Skin irritation, Category 2
Skin Sens. 1	Skin sensitization, Category 1
Skin Sens. 1A	Skin sensitization, Category 1A

### Abbreviations

ADR: Accord européen relatif au transport international des marchandises Dangereuses par Route  
 RID: Règlement concernant le transport international ferroviaire de marchandises dangereuses  
 IMDG: International Maritime Code for Dangerous Goods  
 IATA: International Air Transport Association  
 CAS: Chemical Abstracts Service  
 EAK: Europäischer Abfallkatalog  
 VOC: Volatile Organic Compound  
 MAK: Maximale Arbeitsplatz-Konzentration  
 AGW: Arbeitsplatzgrenzwert  
 BGW: Biologischer Grenzwert  
 NOEC: No observable effect concentration  
 LD: Lethal dose  
 LC: Lethal concentration  
 PBT: Persistent, Bioaccumulative and Toxic  
 vPvB: Very persistent and very bioaccumulative  
 SVHC: Substances of very high concern  
 DNEL: Derived no effect level  
 PNEC: Predicted no effect concentration  
 OECD: Organisation for Economic Co-operation and Development  
 REACH: Registration, Evaluation, Autohorisation and Restriction of Chemicals



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TRGS: Technische Regeln für Gefahrstoffe

**Information about Safety Data Sheets Preparers**

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**Supplemental information**

This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.