

Trade name: cds-Pouring Concrete UW flex

Version: 4 / GB

Date revised: 30.07.2025

Substance number: 11491

Replaces Version: 3 / GB

Print date: 30.07.2025

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

1.1. Product identifier

cds-Pouring Concrete UW 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 & Co. KG

Gau-Bickelheimer Str. 72

55576 Sprendlingen/Rhh.

Telephone no. +49(6701) 9350-0

Fax no. +49(6701) 9350-50

Information provided by / telephone info@cds-polymere.de

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

Bisphenol-F-diglycidyl ether, reaction mass of isomers; Polyoxypropylene diglycidyl ether; Methyl 4-toluenesulfonate ; bis-[4-(2,3-epoxipropoxy)phenyl]propane; oxirane, mono[(C12-14-alkyloxy)methyl] derivs. benzyl alcohol

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-epoxipropoxy)phenyl]propane**

CAS No.	1675-54-3
EINECS no.	216-823-5
Registration no.	01-2119456619-26-XXXX
Concentration	>= 10 < 25 %
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	>= 5 %
Skin Irrit. 2	H315	>= 5 %

Polyoxypropylene diglycidyl ether

CAS No.	26142-30-3
Registration no.	POLYMER
Concentration	>= 1 < 10 %
Classification (Regulation (EC) No. 1272/2008)	
Skin Irrit. 2	H315
Skin Sens. 1	H317
Eye Irrit. 2	H319

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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

Methyl 4-toluenesulfonate

CAS No.	80-48-8
EINECS no.	201-283-5
Registration no.	01-2120752485-49-XXXX
Concentration	= 1 < 3 %
Classification (Regulation (EC) No. 1272/2008)	
	Acute Tox. 4 H302
	Skin Corr. 1C H314
	Eye Dam. 1 H318
	Skin Sens. 1B H317

ATE oral 341 mg/kg

benzyl alcohol

CAS No.	100-51-6
EINECS no.	202-859-9
Registration no.	01-2119492630-38-XXXX
Concentration	= 0,1 < 1 %
Classification (Regulation (EC) No. 1272/2008)	
	Acute Tox. 4 H302
	Eye Irrit. 2 H319
	Skin Sens. 1B H317

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.

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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 *****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 (CO₂); 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

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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.

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/m³

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

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

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 ³

benzyl alcohol

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	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	22	mg/m ³

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Acute	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	110	mg/m ³

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Acute	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	40	mg/kg

Predicted No Effect Concentration (PNEC)
bis-[4-(2,3-epoxipropoxy)phenyl]propane

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Type of value	PNEC	
Type	Water	
Concentration	0,006	mg/l
Type of value	PNEC	
Type	Marine	
Concentration	0,0006	mg/l
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

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
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

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

Type of value	PNEC	
Type	Freshwater	
Concentration	0,0072	mg/l

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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
benzyl alcohol		
Type of value	PNEC	
Type	Water	
Concentration	1	mg/l
Type of value	PNEC	
Type	Water (intermittent release)	
Concentration	2,31	mg/l
Type of value	PNEC	
Type	Saltwater	
Concentration	0,1	mg/l
Type of value	PNEC	
Type	Sewage treatment plant (STP)	
Concentration	39	mg/l
Type of value	PNEC	
Type	Freshwater sediment	
Concentration	5,27	mg/kg
Type of value	PNEC	
Type	Marine sediment	
Concentration	0,527	mg/kg
Type of value	PNEC	
Type	Soil	
Concentration	0,456	mg/kg

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.

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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
 Material thickness >= 0,3 mm
 Breakthrough time >= 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	°C
Pressure		1013	hPa

Flammability

evaluation not determined

Upper and lower explosive limits

Remarks not determined

Flash point

Value	>	100	°C
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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

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Vapour pressure

Remarks not determined

Density and/or relative density

Value	2,38	g/cm ³
Temperature	23	°C

Relative vapour density

Remarks not determined

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**

ATE	> 10.000	mg/kg
Method	calculated value (Regulation (EC) No. 1272/2008)	
Remarks	Based on available data, the classification criteria are not met.	

Acute oral toxicity (Components)

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

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LD50 15000 mg/kg

Polyoxypropylene diglycidyl ether

Species rat
LD50 > 4000 mg/kg

Bisphenol-F-diglycidyl ether, reaction mass of isomers

Species rat
LD50 > 2000 mg/kg

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

Species rat
LD50 26800 mg/kg

Methyl 4-toluenesulfonate

Species rat
LD50 341 mg/kg

benzyl alcohol

ATE 1200 mg/kg

Acute dermal toxicity

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

Acute dermal toxicity (Components)

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

Species rabbit
LD50 23000 mg/kg

Bisphenol-F-diglycidyl ether, reaction mass of isomers

Species rat
LD50 > 2000 mg/kg

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

Species rabbit
LD50 > 4000 mg/kg

benzyl alcohol

Species rabbit
LD50 > 2000 mg/kg

Polyoxypropylene diglycidyl ether

Species guinea pig
LD50 > 2000 mg/kg

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
LC50 > 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

benzyl alcohol

Species rat
LC50 > 4,178 mg/l
Duration of exposure 4 h

Administration/Form Dust/Mist

Method OECD 403

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

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

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

Species rabbit

evaluation irritant

Method OECD 404

Polyoxypropylene diglycidyl ether

evaluation irritant

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

Species rabbit

evaluation irritant

Method OECD 404

Methyl 4-toluenesulfonate

evaluation corrosive

Method Expert judgement

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)**benzyl alcohol**

Species rabbit

evaluation irritant

Method OECD 405

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

Species rabbit

evaluation irritant

Method OECD 405

Polyoxypropylene diglycidyl ether

evaluation irritant

Methyl 4-toluenesulfonate

evaluation corrosive

Method Expert judgement

Sensitization

evaluation May cause sensitization by skin contact.

Remarks The classification criteria are met.

Sensitization (Components)**benzyl alcohol**

evaluation sensitizing

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

Species mouse
 evaluation sensitizing
 Method OECD 429

Polyoxypropylene diglycidyl ether

evaluation sensitizing

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

Species guinea pig
 evaluation sensitizing
 Method OECD 406

Methyl 4-toluenesulfonate

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

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)**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

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No toxicological data are available.

SECTION 12: Ecological information ***

12.1. Toxicity

General information

not determined

Fish toxicity (Components)

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

Species	rainbow trout (Oncorhynchus mykiss)		
LC50	1,3	mg/l	
Duration of exposure	96 h		
Method	OECD 203		

Bisphenol-F-diglycidyl ether, reaction mass of isomers

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

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

Species	rainbow trout (Oncorhynchus mykiss)		
LC50	> 5000	mg/l	
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		

benzyl alcohol

Species	Fathead minnow (Pimephales promelas)		
LC50	460	mg/l	
Duration of exposure	96 h		

benzyl alcohol

Species	golden orfe (Leuciscus idus)		
LC50	> 645	mg/l	
Duration of exposure	96 h		

Daphnia toxicity (Components)

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

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

bis-[4-(2,3-epoxipropoxi)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		

benzyl alcohol

Species	Daphnia magna		
EC50	230	mg/l	
Duration of exposure	48 h		

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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-epoxipropoxi)phenyl]propane**

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

Bisphenol-F-diglycidyl ether, reaction mass of isomers

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

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

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

benzyl alcohol

Species	Pseudokirchneriella subcapitata		
IC50	770		mg/l
Duration of exposure	72	h	

Bacteria toxicity (Components)**bis-[4-(2,3-epoxipropoxi)phenyl]propane**

Species	Pseudomonas putida		
EC50	100		mg/l

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

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

benzyl alcohol

Species	Pseudomonas putida		
EC10	> 658		mg/l
Duration of exposure	16	h	

benzyl alcohol

Species	Pseudomonas putida		
EC50	390		mg/l
Duration of exposure	24	h	

12.2. Persistence and degradability**General information**

not determined

Biodegradability (Components)**benzyl alcohol**

Value	95	%
Duration of test	21	d
evaluation	Readily biodegradable (according to OECD criteria)	
Method	OECD 301A / ISO 7827	

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

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

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

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

Methyl 4-toluenesulfonate

evaluation In principle biodegradable, failing 10-d window
Method OECD 301F

Bisphenol-F-diglycidyl ether, reaction mass of isomers

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

12.3. Bioaccumulative potential**General information**

not determined

Partition coefficient n-octanol/water (log value)

Remarks not determined

Octanol/water partition coefficient (log Pow) (Components)**benzyl alcohol**

log Pow 1
Temperature 20 °C

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

Methyl 4-toluenesulfonate

log Pow 1,88

Bisphenol-F-diglycidyl ether, reaction mass of isomers

log Pow 3,6
Temperature 20 °C

Bioconcentration factor (BCF) (Components)**benzyl alcohol**

BCF 1,37

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**

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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

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

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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) 0,33 % 7,9 g/l

Other regulations, restrictions and prohibition regulations

Handling epoxy resin systems safely (published by PlasticsEurope) 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.

Other information

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

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: ***

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

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
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

Acute Tox. 4	Acute toxicity, Category 4
Aquatic Chronic 2	Hazardous to the aquatic environment, chronic, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment, chronic, Category 3
Eye Dam. 1	Serious eye damage, Category 1
Eye Irrit. 2	Eye irritation, Category 2
Repr. 1B	Reproductive toxicity, Category 1B
Skin Corr. 1C	Skin corrosion, Category 1C
Skin Irrit. 2	Skin irritation, Category 2
Skin Sens. 1	Skin sensitization, Category 1

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Skin Sens. 1A
Skin Sens. 1B

Skin sensitization, Category 1A
Skin sensitization, Category 1B

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, Authorisation and Restriction of Chemicals

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.