

Trade name: cds-Mortar 0-1 FB

Version: 2.0 / EN

Date revised 09.12.2022

Substance number: 11402

Replaces Version: 1.0 / EN

Print date: 12.12.2022

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

1.1. Product identifier

cds-Mortar 0-1 FB

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

1.4. Emergency telephone number

cds-Labor / Tel. +49 (67 01) 93 50-28 (This number is reachable monday to friday from 8 am to 5 pm)

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
Skin Sens. 1	H317
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

Warning

Hazard statements

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H412	Harmful to aquatic life with long lasting effects.

Precautionary statements

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264.1	Wash hands thoroughly after handling.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

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P302+P352
P501.a

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

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, isomer mixture; Bis[4-(2,3-epoxypropoxy)phenyl]propane

2.3. Other hazards

No special hazards have to be mentioned.

SECTION 3: Composition/information on ingredients**Hazardous ingredients****Bis[4-(2,3-epoxypropoxy)phenyl]propane**

CAS No. 1675-54-3

EINECS no. 216-823-5

Registration no. 01-2119456619-26-XXXX

Concentration >= 1 < 5 %

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

Bisphenol-F-diglycidyl ether, isomer mixture

CAS No. (9003-36-5)

EINECS no. 701-263-0

Registration no. 01-2119454392-40-XXXX

Concentration >= 1 < 5 %

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

Skin Irrit. 2 H315

Skin Sens. 1 H317

Aquatic Chronic 2 H411

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

CAS No. 68609-97-2

EINECS no. 271-846-8

Registration no. 01-2119485289-22-0007

Concentration >= 1 < 5 %

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

Skin Irrit. 2 H315

Skin Sens. 1 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

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Ensure supply of fresh air. When vapours are intensively inhaled, seek medical help immediately.

After skin contact

Wash off immediately with soap and water. Take medical treatment.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). Summon a doctor immediately.

After ingestion

If swallowed, seek medical advice immediately and show this container or label. 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.

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.

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.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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. In case the product spills into sewage waters, immediately inform the authorities.

6.3. Methods and material for containment and cleaning up

Pick up with absorbent material. 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.

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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. 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.

Storage classes

Storage class according to TRGS 510 10 Flammable liquids

Further information on storage conditions

Do not keep at temperatures above 20 °C.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Other information

Contains no substances with occupational exposure limit values.

Derived No/Minimal Effect Levels (DNEL/DMEL)

Bis[4-(2,3-epoxypropoxy)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 ³

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

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

Type of value	Derived No Effect Level (DNEL)	
Reference group	General Population	
Duration of exposure	Long term	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	2,35	mg/kg/d

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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	3,9	mg/kg/d

Type of value	Derived No Effect Level (DNEL)	
Reference group	General Population	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	4,1	mg/m ³

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	13,8	mg/m ³

Bisphenol-F-diglycidyl ether, isomer mixture

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

Predicted No Effect Concentration (PNEC)**Bis[4-(2,3-epoxypropoxy)phenyl]propane**

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

Type of value	PNEC	
Type	Marine	
Concentration	0,001	mg/l

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

Bisphenol-F-diglycidyl ether, isomer mixture

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Type of value	PNEC		
Type	Freshwater		
Concentration	0,003		mg/l

Type of value	PNEC		
Type	Marine		
Concentration	0,0003		mg/l

8.2. Exposure controls

General protective and hygiene measures

Hold eye wash fountain available. Hold emergency shower available. Do not inhale gases/vapours/aerosols. Avoid contact with skin and eyes. Do not eat, drink or smoke during work time. 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.

Hand protection

Chemical resistant gloves
Appropriate Material neoprene

Eye protection

Safety glasses with side protection shield

Body protection

Clothing as usual in the chemical industry. Protective shoes

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form liquid

Odour threshold

Remarks not determined

pH value

Remarks not determined

Melting point

Remarks not determined

Freezing point

Remarks not determined

Initial boiling point and boiling range

Remarks not determined

Flash point

Value > 100 °C

Evaporation rate (ether = 1) :

Remarks not determined

Flammability (solid, gas)

not determined

Upper/lower flammability or explosive limits

Remarks not determined

Vapour pressure

Remarks not determined

Vapour density

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Remarks not determined

DensityValue 2 g/cm³
Temperature 23 °C**Solubility in water**

Remarks not determined

Solubility(ies)

Remarks not determined

Partition coefficient: n-octanol/water

Remarks not determined

Ignition temperature

Remarks not determined

Decomposition temperature

Remarks not determined

Viscosity

Remarks not determined

Explosive properties

evaluation not determined

Oxidising properties

Remarks not determined

9.2. Other information**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

None known

10.6. Hazardous decomposition products

Irritant gases/vapours

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute oral toxicity**

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

Acute oral toxicity (Components)

Bis[4-(2,3-epoxypropoxy)phenyl]propane

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Reference substance	Bis[4-(2,3-epoxypropoxy)phenyl]propane		
Species	rat		
LD50	15000		mg/kg

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

Species	rat		
LD50	26000		mg/kg

Bisphenol-F-diglycidyl ether, isomer mixture

Species	rat		
LD50	> 2000		mg/kg

Acute dermal toxicity

Remarks	Based on available data, the classification criteria are not met.		
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Acute dermal toxicity (Components)**Bis[4-(2,3-epoxypropoxy)phenyl]propane**

Reference substance	Bis[4-(2,3-epoxypropoxy)phenyl]propane		
Species	rabbit		
LD50	23000		mg/kg

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

Species	rat		
LD50	> 10000		mg/kg

Bisphenol-F-diglycidyl ether, isomer mixture

Species	rat		
LD50	> 2000		mg/kg

Acute inhalational toxicity

ATE	14,1289		mg/l
Administration/Form	Dust/Mist		
Method	calculated value (Regulation (EC) No. 1272/2008)		
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	0,206		mg/l
Duration of exposure	4	h	
Administration/Form	Dust/Mist		

Skin corrosion/irritation

evaluation	irritant		
Remarks	The classification criteria are met.		

Serious eye damage/irritation

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

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

Subacute, subchronic, chronic toxicity

Remarks	not determined		
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Mutagenicity

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

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

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

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-epoxypropoxy)phenyl]propane

Reference substance	Bis[4-(2,3-epoxypropoxy)phenyl]propane		
Species	rainbow trout (<i>Oncorhynchus mykiss</i>)		
LC50	2		mg/l
Duration of exposure	96	h	

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

Species	golden orfe (<i>Leuciscus idus</i>)		
LC50	1	10	mg/l

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

Species	rainbow trout (<i>Oncorhynchus mykiss</i>)		
LC50	>	5000	mg/l
Duration of exposure	96	h	

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

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

Bisphenol-F-diglycidyl ether, isomer mixture

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

Daphnia toxicity (Components)

Bis[4-(2,3-epoxypropoxy)phenyl]propane

Reference substance	Bis[4-(2,3-epoxypropoxy)phenyl]propane		
Species	Daphnia magna		
EC50	1,8		mg/l
Duration of exposure	48	h	

Bisphenol-F-diglycidyl ether, isomer mixture

Species	Daphnia magna		
LC50	2,55		mg/l
Duration of exposure	48	h	

Algae toxicity (Components)

Bis[4-(2,3-epoxypropoxy)phenyl]propane

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Reference substance	Bis[4-(2,3-epoxypropoxy)phenyl]propane		
Species	Selenastrum capricornutum		
EC50	11		mg/l
Duration of exposure	72	h	

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

Species	Pseudokirchneriella subcapitata		
EbC50	843		mg/l
Duration of exposure	72	h	

Bisphenol-F-diglycidyl ether, isomer mixture

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

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

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

Bis[4-(2,3-epoxypropoxy)phenyl]propane

Reference substance	Bis[4-(2,3-epoxypropoxy)phenyl]propane		
Species	Pseudomonas putida		
EC50	100		mg/l

12.2. Persistence and degradability**General information**

not determined

12.3. Bioaccumulative potential**General information**

not determined

Partition coefficient: n-octanol/water

Remarks not determined

12.4. Mobility in soil**General information**

not determined

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

not determined

12.6. 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.

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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	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	-	-	-

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Water Hazard Class (Germany)**

Water Hazard Class WGK 2
(Germany)

VOC

VOC (EU) 0 % 0 g/l

15.2. Chemical safety assessment

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

SECTION 16: Other information**Hazard statements listed in Chapter 3**

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.

CLP categories listed in Chapter 3

Aquatic Chronic 2 Hazardous to the aquatic environment, chronic, Category 2
Eye Irrit. 2 Eye irritation, Category 2
Skin Irrit. 2 Skin irritation, Category 2
Skin Sens. 1 Skin sensitization, Category 1

Information about Safety Data Sheets Preparers

Oliver Nickel, o.nickel@cds-polymere.de

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.



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