

Trade name: cds-Pouring Concrete UW rapid

Version: 2.0 / DE

Date revised 05.04.2022

Substance number: 11479

Replaces Version: 1.0 / DE

Print date: 13.04.2022

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

1.1. Product identifier

cds-Pouring Concrete UW rapid

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
Eye Irrit. 2	H319
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.
H319	Causes serious eye 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.

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P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
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	1,3-Bis(2,3-epoxypropoxy)-2,2-dimethylpropan; Bisphenol-F-diglycidyl ether, isomer mixture; Methyl-4-Toluolsulfonat; Reaktionprodukt von Hexane-1,6-diol mit 2-(Chloromethyl)oxirane; Bis[4-(2,3-epoxypropoxy)phenyl]propane
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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	>= 10 < 25 %
Classification (Regulation (EC) No. 1272/2008)	
	Skin Irrit. 2 H315
	Skin Sens. 1B 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.	01-2119454392-40-0003
Concentration	>= 1 < 10 %
Classification (Regulation (EC) No. 1272/2008)	
	Skin Irrit. 2 H315
	Skin Sens. 1 H317
	Aquatic Chronic 2 H411
	Eye Irrit. 2 H319

Reaktionprodukt von Hexane-1,6-diol mit 2-(Chloromethyl)oxirane

CAS No.	933999-84-9
EINECS no.	618-939-5
Registration no.	01-2119463471-41-0006
Concentration	>= 1 < 10 %
Classification (Regulation (EC) No. 1272/2008)	
	Skin Irrit. 2 H315
	Skin Sens. 1 H317
	Eye Irrit. 2 H319
	Aquatic Chronic 3 H412

Methyl-4-Toluolsulfonat

CAS No.	80-48-8
EINECS no.	201-283-5

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Registration no.	01-2120752485-49-XXXX		
Concentration	>=	1	< 10 %
Classification (Regulation (EC) No. 1272/2008)			
	Acute Tox. 4	H302	
	Skin Irrit. 2	H315	
	Skin Sens. 1	H317	
	Eye Irrit. 2	H319	
	STOT SE 3	H335	

1,3-Bis(2,3-epoxypropoxy)-2,2-dimethylpropan

CAS No.	17557-23-2		
EINECS no.	241-536-7		
Registration no.	01-2120759332-55-0000		
Concentration	>=	1	< 10 %
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

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

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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.

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)

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Reference group General Population
 Duration of exposure Acute
 Route of exposure oral
 Mode of action Systemic effects
 Concentration 0,5 mg/kg

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 0,0893 mg/kg

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 0,75 mg/kg

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 0,87 mg/m³

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 4,93 mg/m³

1,3-Bis(2,3-epoxypropoxy)-2,2-dimethylpropan

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 3,29 mg/m³

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 6,66 mg/kg/d

Bisphenol-F-diglycidyl ether, isomer mixture

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 6,25 mg/kg

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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	62,5	mg/kg

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	General Population	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	8,7	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	29,39	mg/m ³

Reaktionprodukt von Hexane-1,6-diol mit 2-(Chloromethyl)oxirane

Type of value	Derived No Effect Level (DNEL)	
Reference group	General Population	
Duration of exposure	Acute	
Route of exposure	oral	
Mode of action	Systemic effects	
Concentration	0,83	mg/kg/d

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	0,83	mg/kg/d

Type of value	Derived No Effect Level (DNEL)	
Reference group	General Population	
Duration of exposure	Acute	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	1,7	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	1,7	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	2,8	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	2,9	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	4,9	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

1,3-Bis(2,3-epoxypropoxy)-2,2-dimethylpropan

Type of value	PNEC	
Type	Freshwater	
Concentration	47	µg/l

Type of value	PNEC	
Type	Marine	
Concentration	4,7	µg/l

Bisphenol-F-diglycidyl ether, isomer mixture

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	Sewage treatment plant (STP)	
Concentration	10	mg/l

Type of value	PNEC	
Type	Marine sediment	
Concentration	0,0294	mg/kg/d

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Reaktionprodukt von Hexane-1,6-diol mit 2-(Chloromethyl)oxirane

Type of value	PNEC		
Type	Water		
Concentration	0,0115		mg/l
Type of value	PNEC		
Type	Marine		
Concentration	0,00115		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			

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Remarks not determined

Vapour density

Remarks not determined

Density

Value	2			g/cm ³
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**

ATE	>	10.000	mg/kg
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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-epoxypropoxy)phenyl]propane**

Species rat
 LD50 15000 mg/kg

Bisphenol-F-diglycidyl ether, isomer mixture

Species rat
 LD50 > 5000 mg/kg

Acute dermal toxicity

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

Acute dermal toxicity (Components)**Bis[4-(2,3-epoxypropoxy)phenyl]propane**

Species rabbit
 LD50 23000 mg/kg

Bisphenol-F-diglycidyl ether, isomer mixture

Species rat
 LD50 > 2000 mg/kg

Acute inhalational toxicity

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

Skin corrosion/irritation

evaluation irritant
 Remarks The classification criteria are met.

Serious eye damage/irritation

evaluation irritant
 Remarks The classification criteria are met.

Sensitization

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

Subacute, subchronic, chronic toxicity

Remarks not determined

Mutagenicity

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

Reproductive toxicity

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

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.

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-epoxypropoxy)phenyl]propane

Species	rainbow trout (<i>Oncorhynchus mykiss</i>)	
LC50	2	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

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

Species	Selenastrum capricornutum	
ErC50	11	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

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

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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.

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) 2,24 % 44,9 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

H302 Harmful if swallowed.
H315 Causes skin irritation.

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H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

CLP categories listed in Chapter 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 Irrit. 2	Eye irritation, Category 2
Skin Irrit. 2	Skin irritation, Category 2
Skin Sens. 1	Skin sensitization, Category 1
Skin Sens. 1B	Skin sensitization, Category 1B
STOT SE 3	Specific target organ toxicity - single exposure, Category 3

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.