

Trade name: cds-Pouring Concrete UW

Version: 1.0 / DE

Date revised 10.12.2021

Substance number: 11475

Replaces Version: - / DE

Print date: 05.05.2022

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

1.1. Product identifier

cds-Pouring Concrete UW

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; Turpentine, oil; 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 \geq 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 \geq 5
 Skin Irrit. 2 H315 \geq 5

Bisphenol-F-diglycidyl ether, isomer mixture

CAS No. 9003-36-5
 EINECS no. 701-263-0
 Registration no. 01-2119454392-40-0003
 Concentration \geq 2,5 < 10 %
 Classification (Regulation (EC) No. 1272/2008)
 Skin Irrit. 2 H315
 Skin Sens. 1 H317
 Aquatic Chronic 2 H411
 Eye Irrit. 2 H319

EINECS no. 701-188-3
 Registration no. 01-2119553062-49-XXXX
 Concentration \geq 1 < 10 %
 Classification (Regulation (EC) No. 1272/2008)
 Skin Irrit. 2 H315
 H319

Quartz

CAS No. 14808-60-7
 EINECS no. 238-878-4
 Concentration \geq 1 < 10 %
 Classification (Regulation (EC) No. 1272/2008)
 STOT RE 2 H373

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

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| | | | |
|--|-----------------------|------|--------|
| 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 | |

Turpentine, oil

| | | | |
|--|-----------------------|------|-------|
| CAS No. | 8006-64-2 | | |
| EINECS no. | 232-350-7 | | |
| Registration no. | 01-2119502456-45-XXXX | | |
| Concentration | >= | 0,1 | < 1 % |
| Classification (Regulation (EC) No. 1272/2008) | | | |
| | Flam. Liq. 3 | H226 | |
| | Acute Tox. 4 | H302 | |
| | Acute Tox. 4 | H312 | |
| | Acute Tox. 4 | H332 | |
| | Asp. Tox. 1 | H304 | |
| | Skin Irrit. 2 | H315 | |
| | Eye Irrit. 2 | H319 | |
| | Skin Sens. 1 | H317 | |
| | Aquatic Chronic 2 | H411 | |

Additional remarks:

DSD

Directive 67/548/EEC, Annex I, Note 4

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.

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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.

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

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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 | 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/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 | 4,93 | mg/m ³ |

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/m ³ |

| | | |
|----------------------|--------------------------------|---------|
| 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 |

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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 |

| | | |
|----------------------|--------------------------------|-------|
| 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 |

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

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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 |
| 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 |

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 | | |

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Flammability (solid, gas)

not determined

Upper/lower flammability or explosive limits

Remarks not determined

Vapour pressure

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

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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

| | | | |
|---------|-----|-------|-------|
| 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.

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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**

| | | |
|----------------------|--|------|
| 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

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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.

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) 1,71 % 34,1 g/l

15.2. Chemical safety assessment

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

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SECTION 16: Other information

Hazard statements listed in Chapter 3

| | |
|------|--|
| H226 | Flammable liquid and vapour. |
| H302 | Harmful if swallowed. |
| H304 | May be fatal if swallowed and enters airways. |
| H312 | Harmful in contact with skin. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation. |
| H332 | Harmful if inhaled. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |
| H411 | Toxic 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 |
| Asp. Tox. 1 | Aspiration hazard, Category 1 |
| Eye Irrit. 2 | Eye irritation, Category 2 |
| Flam. Liq. 3 | Flammable liquid, Category 3 |
| Skin Irrit. 2 | Skin irritation, Category 2 |
| Skin Sens. 1 | Skin sensitization, Category 1 |
| Skin Sens. 1B | Skin sensitization, Category 1B |
| STOT RE 2 | Specific target organ toxicity - repeated exposure, Category 2 |

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.