

Trade name: cds-Pouring Concrete UW

Version: 2 / GB

Date revised: 13.12.2024

Substance number: 11475

Replaces Version: 1 / GB

Print date: 13.12.2024

## **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-dimethylpropane; Bisphenol-F-diglycidyl ether, reaction mass of isomers; turpentine, oil; Bis[4-(2,3-epoxypropoxy)phenyl]propane; 2-(4-methylcyclohex-3-en-1-yl)propan-2-ol

**Supplemental information**

EUH205 Contains epoxy constituents. May produce an allergic reaction.

**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 \*\*\*****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. 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, 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

**2-(4-methylcyclohex-3-en-1-yl)propan-2-ol**

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

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**Quartz**

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

## Supplemental information

This product contains between &gt;=1 and &lt;10% of quartz (fine fraction)

**1,3-bis(2,3-epoxypropoxy)-2,2-dimethylpropane**

CAS No.	17557-23-2			
EINECS no.	241-536-7			
Registration no.	01-2120759332-55-XXXX			
Concentration	>= 1	<	10	%
Classification (Regulation (EC) No. 1272/2008)	Skin Irrit. 2		H315	
	Eye Irrit. 2		H319	
	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. 2		H225	
	Acute Tox. 4		H302	Route of exposure: oral
	Acute Tox. 4		H312	Route of exposure: dermal
	Acute Tox. 4		H332	Route of exposure: inhalative
	Skin Irrit. 2		H315	
	Eye Irrit. 2		H319	
	Skin Sens. 1		H317	
	Asp. Tox. 1		H304	
	Aquatic Chronic 1		H410	

**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.

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### **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 (CO<sub>2</sub>); Pyrolysis products

### **5.3. Advice for firefighters**

#### **Special protective equipment for fire-fighting**

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

#### **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**

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### 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.

### 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-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 <sup>3</sup>

##### 1,3-bis(2,3-epoxypropoxy)-2,2-dimethylpropane

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	12,1	mg/m <sup>3</sup>

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	3,43	mg/kg/d

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

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

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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 <sup>3</sup>

**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	0,0006	mg/l

**1,3-bis(2,3-epoxypropoxy)-2,2-dimethylpropane**

Type of value	PNEC	
Type	Freshwater	
Concentration	0,00749	mg/l

Type of value	PNEC	
Type	Marine	
Concentration	0,000749	mg/l

Type of value	PNEC	
Type	Water (intermittent release)	
Concentration	0,0749	mg/l

Type of value	PNEC	
Type	Freshwater sediment	
Concentration	0,0395	mg/kg

Type of value	PNEC	
Type	Marine sediment	
Concentration	0,00395	mg/kg

Type of value	PNEC	
Type	Soil	
Concentration	0,0035	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

**8.2. Exposure controls**

**General protective and hygiene measures**

Hold eye wash fountain available. Hold emergency shower available. Do not inhale

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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. 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	neoprene		
Material thickness	>=	0,5	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; 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**

<b>Physical state</b>	liquid		
<b>Odour</b>	epoxide like		
<b>Colour</b>	Various, depending on coloration		
<b>Melting point</b>			
Remarks	not determined		
<b>Freezing point</b>			
Remarks	not determined		
<b>Boiling point or initial boiling point and boiling range</b>			
Remarks	not determined		
<b>Flammability</b>			
evaluation	not determined		
<b>Upper and lower explosive limits</b>			
Remarks	not determined		
<b>Flash point</b>			
Value	>	100	°C
<b>Ignition temperature</b>			
Remarks	not determined		
<b>Decomposition temperature</b>			
Remarks	not determined		
<b>pH value</b>			
Remarks	Not applicable		
<b>Viscosity</b>			
Remarks	not determined		
<b>Solubility(ies)</b>			
Remarks	not determined		
<b>Partition coefficient n-octanol/water (log value)</b>			

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Remarks not determined

**Vapour pressure**

Remarks not determined

**Density and/or relative density**

Value	2		g/cm <sup>3</sup>
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 insoluble

**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 alkalis.

**10.6. Hazardous decomposition products**

Irritant gases/vapours

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

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

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

Species	rat		
LD50	15000		mg/kg



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

Species	rat		
LD50	>	2000	mg/kg

**1,3-bis(2,3-epoxypropoxy)-2,2-dimethylpropane**

Species	rat		
LD50		3595	mg/kg

**2-(4-methylcyclohex-3-en-1-yl)propan-2-ol**

Reference substance	2-(4-methylcyclohex-3-en-1-yl)propan-2-ol		
Species	rat		
LD50	>	2000	mg/kg
Method	OECD 401		

**turpentine, oil**

Reference substance	turpentine, oil		
Species	rat		
LD50		3956	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**

Species	rabbit		
LD50		23000	mg/kg

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

Species	rat		
LD50	>	2000	mg/kg

**1,3-bis(2,3-epoxypropoxy)-2,2-dimethylpropane**

Species	rat		
LD50	>	2000	mg/kg
Method	OECD 402		

**2-(4-methylcyclohex-3-en-1-yl)propan-2-ol**

Reference substance	2-(4-methylcyclohex-3-en-1-yl)propan-2-ol		
Species	rat		
LC50	>	2000	mg/kg
Method	OECD 402		

**turpentine, oil**

Reference substance	turpentine, oil		
Species	rabbit		
LD50	>	2000	mg/kg

**Acute inhalational toxicity**

Remarks	Based on available data, the classification criteria are not met.
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**Acute inhalative toxicity (Components)****2-(4-methylcyclohex-3-en-1-yl)propan-2-ol**

Reference substance	2-(4-methylcyclohex-3-en-1-yl)propan-2-ol		
Species	rat		
LC50	>	4,76	mg/l
Duration of exposure	4	h	
Method	OECD 403		

**turpentine, oil**

Reference substance	turpentine, oil		
Species	mouse		
LC50		13,7	mg/l
Duration of exposure	4	h	
Method	OECD 403		

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**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.

**11.2 Information on other hazards****Endocrine disrupting properties with respect to humans**

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

**Experience in practice**

Inhalation may lead to irritation of the respiratory tract.

**Other information**

No toxicological data are available.

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

not determined

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

Species	rainbow trout ( <i>Oncorhynchus mykiss</i> )	
LC50	2	mg/l
Duration of exposure	96	h

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

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

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**1,3-bis(2,3-epoxypropoxy)-2,2-dimethylpropane**

Species	zebra fish (Brachydanio rerio)		
LC50	7,6		mg/l
Duration of exposure	96	h	
Method	OECD 203		

**2-(4-methylcyclohex-3-en-1-yl)propan-2-ol**

Reference substance	2-(4-methylcyclohex-3-en-1-yl)propan-2-ol		
Species	zebra fish (Brachydanio rerio)		
LC50	68	to 80	mg/l
Duration of exposure	96	h	
Method	OECD 203		

**turpentine, oil**

Reference substance	turpentine, oil		
Species	zebra fish (Brachydanio rerio)		
LL50	29		mg/l
Duration of exposure	96	h	
Method	OECD 203		

**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, reaction mass of isomers**

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

**1,3-bis(2,3-epoxypropoxy)-2,2-dimethylpropane**

Species	Daphnia magna		
EC50	9,51		mg/l
Duration of exposure	48	h	
Method	OECD 202		

**2-(4-methylcyclohex-3-en-1-yl)propan-2-ol**

Reference substance	2-(4-methylcyclohex-3-en-1-yl)propan-2-ol		
Species	Daphnia		
EC50	73		mg/l
Duration of exposure	48	h	
Method	OECD 202		

**turpentine, oil**

Reference substance	turpentine, oil		
Species	Daphnia magna		
EL50	6,4		mg/l
Duration of exposure	48	h	
Method	OECD 202		

**Algae toxicity (Components)****Bis[4-(2,3-epoxypropoxy)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	

**1,3-bis(2,3-epoxypropoxy)-2,2-dimethylpropane**

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Species	Selenastrum capricornutum	
EC50	7,488	mg/l
Duration of exposure	72	h
Method	OECD 201	

**2-(4-methylcyclohex-3-en-1-yl)propan-2-ol**

Reference substance	2-(4-methylcyclohex-3-en-1-yl)propan-2-ol	
Species	Pseudokirchneriella subcapitata	
EC50	68	mg/l
Duration of exposure	72	h
Method	OECD 201	

**turpentine, oil**

Reference substance	turpentine, oil	
Species	Desmodesmus subspicatus	
EL50	16,4	mg/l
Duration of exposure	72	h
Method	OECD 201	

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

Species	Pseudomonas putida	
EC50	100	mg/l

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

not determined

**Biodegradability (Components)****1,3-bis(2,3-epoxypropoxy)-2,2-dimethylpropane**

evaluation Readily biodegradable (according to OECD criteria)

**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)****1,3-bis(2,3-epoxypropoxy)-2,2-dimethylpropane**

log Pow 0,47

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

not determined

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

not determined

**Results of PBT and vPvB assessment \*\*\***

The product contains no PBT substances

The product contains no vPvB substances.

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

not determined

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**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****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**

Trade name: cds-Pouring Concrete UW

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VOC (EU) 1,31 % 26,1 g/l

**Other regulations, restrictions and prohibition regulations**Handling epoxy resin systems safely (published by PlasticsEurope) [www.plasticseurope.org](http://www.plasticseurope.org)**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
Aquatic Chronic 3	H412	Calculation method

**Hazard statements listed in Chapter 2/3**

H225	Highly 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.
H410	Very toxic to aquatic life with long lasting effects.
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 1	Hazardous to the aquatic environment, chronic, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment, chronic, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment, chronic, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Irrit. 2	Eye irritation, Category 2
Flam. Liq. 2	Flammable liquid, Category 2
Skin Irrit. 2	Skin irritation, Category 2
Skin Sens. 1	Skin sensitization, Category 1
Skin Sens. 1A	Skin sensitization, Category 1A
STOT RE 2	Specific target organ toxicity - repeated exposure, Category 2

**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



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EAK: Europäischer Abfallkatalog  
VOC: Volatile Organic Compound  
MAK: Maximale Arbeitsplatz-Konzentration  
AGW: Arbeitsplatzgrenzwert  
BGW: Biologischer Grenzwert  
NOEC: No observable effect concentration  
LD: Lethal dose  
LC: Lethal concentration  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: Very persistent and very bioaccumulative  
SVHC: Substances of very high concern  
DNEL: Derived no effect level  
PNEC: Predicted no effect concentration  
OECD: Organisation for Economic Co-operation and Development  
REACH: Registration, Evaluation, Autohorisation and Restriction of Chemicals  
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.