

Created: 12 Sept 2021

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## SAFETY DATA SHEET

This Safety Data Sheet is provided in compliance with the EC Regulation 1907/2006-2015/830

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

#### 1.1 Product identifier

- Product Name: Cemflow Sealer - Hardener
- Product Part Number: C12/05/03/131-H

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

- Use of the substance/mixture: Hardener part of two component waterbased polyurethane sealer

#### 1.3 Details of the supplier of the safety data sheet

- Name of Supplier: Ayla for Building Materials Industry & Trade
- Address of Supplier: AlKaradeh, Arsat AlHindia  
Baghdad, Iraq
- Telephone: +964 790 1488 730
- Email: info.iraq@dcp-int.com

#### 1.4 Emergency telephone number

- Emergency Telephone: +964 790 1488 730 (available during office hours)

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### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

- CLP: Acute Tox. 4, Skin Sens. 1, STOT SE 3

#### 2.2 Label elements



- Signal Word: Danger
- Hazard statements
  - H332 - Harmful if inhaled.
  - H335 - May cause respiratory irritation.
  - H317 - May cause an allergic skin reaction.
  - EUH204 - Contains isocyanates. May produce an allergic reaction.

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## SECTION 2: Hazards identification (....)

- Precautionary statements
  - P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
  - P304+P312 - IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.
  - P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
  - P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
  - P280 - Wear protective gloves/protective clothing/eye protection/face protection.
  - P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
  - P362+P364 - Take off contaminated clothing and wash it before reuse.
  - P271 - Use only outdoors or in a well-ventilated area.
  - P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
  - P405 - Store locked up.
  - P272 - Contaminated work clothing should not be allowed out of the workplace.

### 2.3 Other hazards

- Contains: Blocked Polyisocyanate Based on Hexamethylene Diisocyanate (HDI)  
Hexamethylene diisocyanate, oligomers

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## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

- Hexamethylene diisocyanate, oligomers
  - CAS Number: 28182-81-2
  - EC Number: 500-060-2
  - Concentration: 20 - 60%
  - Categories: Acute Tox. 4, Skin Sens. 1, STOT SE 3
  - Symbols: GHS07
  - H Statements: H317, H332, H335
- Blocked Polyisocyanate Based on Hexamethylene Diisocyanate (HDI)
  - CAS Number: 666723-27-9
  - EC Number: 679-494-0
  - Concentration: 10 - 20%
  - Categories: Acute Tox. 3, Skin Sens. 1, STOT SE 3, Aquatic Chronic 3
  - Symbols: GHS07
  - H Statements: H317, H331, H335, H412
- hexamethylene-di-isocyanate..
  - CAS Number: 822-06-0
  - EC Number: 212-485-8
  - Concentration: < 0.5%
  - Categories: Acute Tox. 3, Skin Irrit. 2, Eye Irrit. 2, Resp. Sens. 1, Skin Sens. 1, STOT SE 3
  - Symbols: GHS06, GHS08
  - H Statements: H331, H319, H335, H315, H334, H317

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## SECTION 3: Composition/information on ingredients (....)

Specific Concentration Limits: \* Resp. Sens. 1; H334: C ≥ 0,5 % Skin Sens. 1; H317: C ≥ 0,5 %

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## SECTION 4: First aid measures

### 4.1 Description of first aid measures

- Take off contaminated clothing.
- Inhalation  
IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
Get medical advice/attention if you feel unwell.
- Contact with skin  
IF ON SKIN: Wash with plenty of soap and water.  
If skin irritation or rash occurs: Get medical advice/attention.  
Wash contaminated clothing before reuse.  
Call a POISON CENTER or doctor/physician.
- Contact with eyes  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Get medical advice/attention.
- Ingestion  
Do NOT induce vomiting.  
Get immediate medical advice/attention.

### 4.2 Most important symptoms and effects, both acute and delayed

- Treat symptomatically

### 4.3 Indication of any immediate medical attention and special treatment needed

- No information available
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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

- Do not use water jets
- In case of fire use water spray or fog, alcohol resistant foam, dry chemical or carbon dioxide

### 5.2 Special hazards arising from the substance or mixture

Burning releases carbon monoxide, carbon dioxide, oxides of nitrogen, isocyanate vapors and traces of hydrogen cyanide. In the event of fire and/or explosion do not breathe fumes.

### 5.3 Advice for firefighters

During fire-fighting respirator with independent air-supply and airtight garment is required.  
Do not allow contaminated extinguishing water to enter the soil, ground-water or surface waters.

## **SECTION 6: Accidental release measures**

### **6.1 Personal precautions, protective equipment and emergency procedures**

- Wear suitable protective clothing
- Ensure adequate ventilation
- Evacuate the area and keep personnel upwind

### **6.2 Environmental precautions**

- Avoid release to the environment.
- Do not allow to enter public sewers and watercourses
- Do not flush spilt material into any public water system

### **6.3 Methods and material for containment and cleaning up**

Remove mechanically; cover the remainder with wet, absorbent material (e.g. sawdust, chemical binder based on calcium silicate hydrate, sand). After approx. one hour transfer to waste container and do not seal (evolution of CO<sub>2</sub>!). Keep damp in a safe ventilated area for several days.

### **6.4 Reference to other sections**

- See Section 8, 13
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## **SECTION 7: Handling and storage**

### **7.1 Precautions for safe handling**

- Contaminated work clothing should not be allowed out of the workplace.
- Wear protective gloves/protective clothing/eye protection/face protection.
- Avoid breathing dust/fume/gas/mist/vapours/spray.
- Avoid contact with skin and eyes
- Do not eat, drink or smoke when using this product.
- Ensure adequate ventilation
- Keep away from food, drink and animal foodstuffs
- Wash thoroughly after handling.
- Store in original, correctly labelled and tightly closed containers
- Wash contaminated clothing before reuse.

### **7.2 Conditions for safe storage, including any incompatibilities**

- Store in a well-ventilated place. Keep container tightly closed.
- Keep away from food, drink and animal feedingstuffs
- Keep away from moisture
- Store between + 5° C and +35°C protect from frost and direct sunlight.
- Store in a dry environment away from direct sunlight.
- Store in original, correctly labelled and tightly closed containers
- Store locked up.

### **7.3 Specific end use(s)**

- No information available

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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Hexamethylene-1,6-diisocyanate (CAS: 822-06-0)

EH40 WEL

STEL: 0.07 mg/m<sup>3</sup>

TWA: 0.02 mg/m<sup>3</sup>

DNEL

Inhalation, Long-term local effects: 0.5 mg/m<sup>3</sup>

Inhalation, Acute local effects: 1 mg/m<sup>3</sup>

### 8.2 Exposure controls



- In case of inadequate ventilation wear respiratory protection.
- Wear rubber gloves, boots and apron
- Wear eye/face protection
- Contaminated work clothing should not be allowed out of the workplace.
- Wear protective gloves/protective clothing/eye protection/face protection.

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

- |                              |   |
|------------------------------|---|
| - Appearance:                | Yellowish liquid  |
| - Odour:                     | Odourless   |
| - Boiling Point/Range:       | Not applicable  |
| - Flashpoint:                | Ca. 185 °C  |
| - Vapour Pressure:           | Ca. 5 hPa at 20 °C<br>ca. 9 hPa at 50 °C<br>ca. 10 hPa at 55 °C |
| - Viscosity:                 | Dynamic, 570 - 730 mPa.s at 23 °C                               |
| - Autoignition Temperature:  | ca. 445 °C  |
| - Decomposition temperature: | Ca. 181 °C  |
| - pH:                        | No information available  |
| - Specific Gravity:          | Ca. 1.15 g/cm <sup>3</sup> at 20 °C                             |
| - Solubility in water:       | Immiscible at 15 °C   |

### 9.2 Other information

- No information available

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

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**SECTION 10: Stability and reactivity (....)**

- No hazardous reactions known if used for its intended purpose

**10.2 Chemical stability**

- Considered stable under normal conditions

**10.3 Possibility of hazardous reactions**

Exothermic reaction with amines and alcohols; reacts slowly with water forming CO<sub>2</sub>, in closed containers risk of bursting owing to increase of pressure.

**10.4 Conditions to avoid**

- No information available

**10.5 Incompatible materials**

- No information available

**10.6 Hazardous decomposition products**

- No hazardous decomposition products known
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**SECTION 11: Toxicological information****11.1 Information on toxicological effects**

- No information available
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**SECTION 12: Ecological information****12.1 Toxicity**

- No information available

**12.2 Persistence and degradability**

- No information available

**12.3 Bioaccumulative potential**

- No information available

**12.4 Mobility in soil**

- No information available

**12.5 Results of PBT and vPvB assessment**

- No information available

**12.6 Other adverse effects**

- Reacts with water
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**SECTION 13: Disposal considerations****13.1 Waste treatment methods**

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**SECTION 13: Disposal considerations (....)**

- Avoid release to the environment. Refer to special instructions/Safety data sheets
  - Disposal should be in accordance with local, state or national legislation
  - Dispose of contents/container to an authorised waste collection point.
  - Do not empty into drains - dispose of this material and container in a safe way
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**SECTION 14: Transport information**

## 14.1 Air (ICAO/IATA)

- Not classified as hazardous for transport

## 14.2 Road/Rail (ADR/RID)

- Not classified as hazardous for transport

## 14.3 Sea (IMDG)

- Not classified as hazardous for transport

## 14.4 Environmental hazards

- No information available

## 14.5 Special precautions for user

- No information available

## 14.6 Transport in bulk according to Annex II of Marpol and the IBC Code

- No information available
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**SECTION 15: Regulatory information**

## 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

- This Safety Data Sheet is provided in compliance with the EC Regulation 1907/2006-2015/830
- This Safety Data Sheet is provided in compliance with the EC Directive 82/501/EEC (the Seveso Directive)

## 15.2 Chemical safety assessment

- A REACH chemical safety assessment has not been carried out
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**SECTION 16: Other information**

Text not given with phrase codes where they are used elsewhere in this safety data sheet:- H315: Causes skin irritation. H317: May cause an allergic skin reaction. H319: Causes serious eye irritation. H331: Toxic if inhaled. H332: Harmful if inhaled. H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled. H335: May cause respiratory irritation. H412: Harmful to aquatic life with long lasting effects.

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage

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**SECTION 16: Other information (....)**

and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.

--- end of safety datasheet ---

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