

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

1.1. Product identifier

Product form : Mixture
Trade name : Hydroblocker 3K comp. C

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

1.2.1. Relevant identified uses

Main use category : Professional use

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

DL CHEMICALS
Roterijstraat 201-203
B-8793 Waregem - Belgium
T + 32 56 62 70 51 - F + 32 56 60 95 68
info@dl-chem.com - www.dl-chem.com

1.4. Emergency telephone number

Emergency number : + 32 70 245 245

| Country | Official advisory body | Address | Emergency number | Comment |
|----------------|---|---------------------------------|------------------|---------|
| United Kingdom | Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust | Avonley Road SE14 5ER London | +44 20 7188 7188 | |

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin corrosion/irritation, Category 2 H315

Serious eye damage/eye irritation, Category 1 H318

Skin sensitisation, Category 1 H317

Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation H335

Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



CLP Signal word : Danger

Hazardous ingredients : Portland cement

Hazard statements (CLP) : H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
H318 - Causes serious eye damage.
H335 - May cause respiratory irritation.

Precautionary statements (CLP) : P101 - If medical advice is needed, have product container or label at hand.
P102 - Keep out of reach of children.
P271 - Use only outdoors or in a well-ventilated area.
P280 - Wear protective gloves/protective clothing/eye protection/face

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protection/hearing protection.
P310 - Immediately call a POISON CENTER or doctor.
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
P501 - Dispose of contents and container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|-----------------------|--|---------|--|
| Portland cement | (CAS-No.) 65997-15-1 (EC-No.) 266-043-4 | 50 – 75 | Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 STOT SE 3, H335 |
| Quartz (EC 238-878-4) | (CAS-No.) 14808-60-7 (EC-No.) 238-878-4 | 1 – 10 | STOT RE 2, H373 |

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Immediately consult a doctor/medical service. Remove person to fresh air and keep comfortable for breathing. If breathing stops, give artificial respiration.

First-aid measures after skin contact : After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water. Call a physician immediately. Wash contaminated clothing before reuse.

First-aid measures after eye contact : Contact lenses should be removed. Wash immediately with lots of water (15 minutes)/shower. Rinse with water while holding the eyes wide open. Consult an ophthalmologist if irritation persists.

First-aid measures after ingestion : Drink plenty of water. Do NOT induce vomiting. Seek medical attention immediately.

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

Symptoms/effects : No additional information available.

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

No information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : All extinguishing media allowed. Dry chemical, CO₂, or water spray or regular foam.

Unsuitable extinguishing media : None.

5.2. Special hazards arising from the substance or mixture

Fire hazard : In case of fire and/or explosion do not breathe fumes.

Explosion hazard : Dust explosion possible if in powder or granular form, mixed with air. Heating may cause a fire or explosion.

5.3. Advice for firefighters

Firefighting instructions : Cool down the containers exposed to heat with a water spray. Prevent fire fighting water from entering the environment. Do not allow run-off from fire-fighting to enter drains or water courses. Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

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Protection during firefighting : Wear recommended personal protective equipment. Rubber boots. Complete protective clothing. EN 469. Gloves. EN 659. Self-contained breathing apparatus. EN 137.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment : Wear protective clothing. Concerning personal protective equipment to use, see section 8.

Emergency procedures : Cool containers / tanks with spray water if possible.

Measures in case of dust release : Do not breathe vapours.

6.1.2. For emergency responders

Protective equipment : Wear protective clothing. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Product may not flow into sewer or superficial water.

6.3. Methods and material for containment and cleaning up

For containment : Sweep up or vacuum up the product. Refer to Section 10 on Incompatible Materials.

Methods for cleaning up : Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal. Flush contaminated areas with plenty of water. For disposal of contaminated materials refer to section 13 : "Disposal considerations".

Other information : Ensure adequate air ventilation.

6.4. Reference to other sections

Reference to other sections (8, 13).

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Avoid any leak and work in fully closed specially engineered systems. Do not handle until all safety precautions have been read and understood.

Hygiene measures : Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in original container. Store in a well-ventilated place. Keep container tightly closed. Protect material from direct sunlight. Refer to Section 10 on Incompatible Materials.

7.3. Specific end use(s)

No additional information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| Quartz (EC 238-878-4) (14808-60-7) | | |
|------------------------------------|--------------------------------|-----------------------------|
| EU | Local name | Silica crystalline (Quartz) |
| EU | IOELV TWA (mg/m ³) | 0,1 mg/m ³ |
| EU | Notes | (Year of adoption 2003) |
| EU | Regulatory reference | SCOEL Recommendations |

1.

8.2. Exposure controls

Appropriate engineering controls:

Wear recommended personal protective equipment. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Hand protection:

Protective gloves. DIN EN 374. Please follow the instructions related to the permeability and the penetration time provided by the manufacturer

Eye protection:

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tightly fitting safety goggles. DIN EN 166. Protect eyes, face and skin from liquid splashes.

Skin and body protection:

Long sleeved protective clothing. safety foot-wear. EN ISO 20344. Wash hands and other exposed areas with soap and water before leaving work

Respiratory protection:

High gas/vapour concentration: gas mask with filter type A. Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. In case of any doubt wear a half-mask respirator according to EN 529.

Environmental exposure controls:

Avoid release to the environment. Assure that emissions are compliant with all applicable air pollution control regulations. Do not allow to enter drains or water courses.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|---|---------------------|
| Physical state | : Solid |
| Appearance | : Powder. |
| Colour | : white. |
| Odour | : odourless. |
| Odour threshold | : No data available |
| pH | : No data available |
| Relative evaporation rate (butylacetate=1) | : No data available |
| Melting point | : No data available |
| Freezing point | : No data available |
| Boiling point | : No data available |
| Flash point | : No data available |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Flammability (solid, gas) | : No data available |
| Vapour pressure | : No data available |
| Relative vapour density at 20 °C | : No data available |
| Relative density | : No data available |
| Density | : 2,91 kg/l |
| Solubility | : Soluble in water. |
| Partition coefficient n-octanol/water (Log Pow) | : No data available |
| Viscosity, kinematic | : No data available |
| Viscosity, dynamic | : No data available |
| Explosive properties | : No data available |
| Oxidising properties | : No data available |
| Explosive limits | : No data available |

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known under normal conditions of use. Do not allow contact with water. Reacts with (some) acids. Reacts with (strong) oxidizers.

10.2. Chemical stability

No supplementary information available.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

avoid contact with acids. ammonium salts. Aluminium. Do not allow water (or moist air) contact with this material.

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10.5. Incompatible materials

No additional information available.

10.6. Hazardous decomposition products

No additional information available.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal) : Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation) : Not classified (Based on available data, the classification criteria are not met)

| Quartz (EC 238-878-4) (14808-60-7) | |
|------------------------------------|--------------|
| LD50 oral rat | > 2000 mg/kg |
| LD50 dermal rat | > 2000 mg/kg |

Skin corrosion/irritation : Causes skin irritation.
Serious eye damage/irritation : Causes serious eye damage.
Respiratory or skin sensitisation : May cause an allergic skin reaction.
Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity : Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met)

STOT-single exposure : May cause respiratory irritation.
STOT-repeated exposure : Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard : Not classified (Based on available data, the classification criteria are not met)

Potential adverse human health effects and symptoms : Harmful if swallowed. Harmful if inhaled. Harmful in contact with skin.

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified (Based on available data, the classification criteria are not met)
Hazardous to the aquatic environment, long-term (chronic) : Not classified (Based on available data, the classification criteria are not met)

12.2. Persistence and degradability

| Hydroblocker 3K comp. C | |
|-------------------------------|---------------------------|
| Persistence and degradability | No information available. |

12.3. Bioaccumulative potential

| Hydroblocker 3K comp. C | |
|---------------------------|---------------------------|
| Bioaccumulative potential | No information available. |

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

| Hydroblocker 3K comp. C | |
|--|--|
| This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII | |
| This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII | |

12.6. Other adverse effects

Other adverse effects : No supplementary information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose as hazardous waste. Dispose of at a licensed waste collection centre.
Dispose of waste according to applicable legislation.

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Product/Packaging disposal recommendations : Remove to an authorized waste treatment plant. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

SECTION 14: Transport information

In accordance with ADR / IATA / IMDG / RID

| ADR | IMDG | IATA | RID |
|--|---------------|---------------|---------------|
| 14.1. UN number | | | |
| Not regulated | Not regulated | Not regulated | Not regulated |
| 14.2. UN proper shipping name | | | |
| Not regulated | Not regulated | Not regulated | Not regulated |
| 14.3. Transport hazard class(es) | | | |
| Not regulated | Not regulated | Not regulated | Not regulated |
| 14.4. Packing group | | | |
| Not regulated | Not regulated | Not regulated | Not regulated |
| 14.5. Environmental hazards | | | |
| Not regulated | Not regulated | Not regulated | Not regulated |
| No supplementary information available | | | |

14.6. Special precautions for user

- Overland transport

Not regulated

- Transport by sea

Not regulated

- Air transport

Not regulated

- Rail transport

Not regulated

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Full text of H- and EUH-statements:

| | |
|---------------|--|
| Eye Dam. 1 | Serious eye damage/eye irritation, Category 1 |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 |
| Skin Sens. 1 | Skin sensitisation, Category 1 |
| STOT RE 2 | Specific target organ toxicity — Repeated exposure, Category 2 |
| STOT SE 3 | Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |

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| | |
|------|--|
| H318 | Causes serious eye damage. |
| H335 | May cause respiratory irritation. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

| | | |
|---------------|------|--------------------|
| Skin Irrit. 2 | H315 | Calculation method |
| Eye Dam. 1 | H318 | Calculation method |
| Skin Sens. 1 | H317 | Calculation method |
| STOT SE 3 | H335 | Calculation method |

MSDS Reach Annex II DL-Chem

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.