

CP 637

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Date of issue: 05/07/2017

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Version: 2.1

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

1.1. Product identifier

| | |
|--------------|--------------------|
| Product form | Mixture |
| Name | CP 637 |
| Product code | BU Fire Protection |



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

1.2.1. Relevant identified uses

| | |
|----------------------------------|---|
| Industrial/Professional use spec | For professional use only Industrial |
|----------------------------------|---|

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Hilti Deutschland AG
 Hiltistr. 2
 86916 Kaufering - Deutschland
 T +49 8191 90-0 - F +49 8191 90-1122
de.kundenservice@hilti.com

Supplier

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Department issuing data specification sheet

Hilti AG
 Feldkircherstraße 100
 9494 Schaan - Liechtenstein
 T +423 234 2111
chemicals.hse@hilti.com

1.4. Emergency telephone number

| | |
|------------------|--|
| Emergency number | Schweizerisches Toxikologisches Informationszentrum – 24h Service +41 44 251 51 51 (international) +49 8191 90-0 |
|------------------|--|

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Not classified

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2.2. Label elements

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

2.3. Other hazards

Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---|--|-------|---|
| calcium sulfate substance with national workplace exposure limit(s) (DE) | (CAS No) 7778-18-9 (EC No) 231-900-3 (REACH-no) 01-2119444918-26 | >= 80 | Not classified |

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|---------------------------------------|--|
| First-aid measures general | Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). |
| First-aid measures after inhalation | Remove person to fresh air and keep comfortable for breathing. Assure fresh air breathing. Allow the victim to rest. |
| First-aid measures after skin contact | Wash skin with plenty of water. Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. |
| First-aid measures after eye contact | Rinse cautiously with water for several minutes. Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists. |
| First-aid measures after ingestion | Call a poison center or a doctor if you feel unwell. Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. |

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

Symptoms/effects Not expected to present a significant hazard under anticipated conditions of normal use.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

| | |
|--------------------------------|--|
| Suitable extinguishing media | Water spray. Dry powder. Foam. Carbon dioxide. Sand. |
| Unsuitable extinguishing media | Do not use a heavy water stream. |

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5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

| | |
|--------------------------------|--|
| Firefighting instructions | Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment. |
| Protection during firefighting | Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. Do not enter fire area without proper protective equipment, including respiratory protection. |

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

| | |
|---|--|
| General measures | Avoid dust formation. |
| 6.1.1. For non-emergency personnel | |
| Emergency procedures | Ventilate spillage area. Evacuate unnecessary personnel. |
| 6.1.2. For emergency responders | |
| Protective equipment | Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". Equip cleanup crew with proper protection. |
| Emergency procedures | Ventilate area. |

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

| | |
|-------------------------|--|
| Methods for cleaning up | Mechanically recover the product. On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials. |
|-------------------------|--|

6.4. Reference to other sections

For further information refer to section 13. See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

| | |
|-------------------------------|---|
| Precautions for safe handling | Provide good ventilation in process area to prevent formation of vapour. Ensure good ventilation of the work station. Wear personal protective equipment. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. |
| Hygiene measures | Do not eat, drink or smoke when using this product. Always wash hands after handling the product. |

7.2. Conditions for safe storage, including any incompatibilities

| | |
|------------------------|---|
| Storage conditions | Keep container closed when not in use. Protect from moisture. |
| Incompatible products | Strong acids. Strong bases. |
| Incompatible materials | Moisture. |
| Storage temperature | 5 - 30 °C |

7.3. Specific end use(s)

No additional information available

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| calcium sulfate (7778-18-9) | | |
|-----------------------------|---|---------------------|
| Germany | Local name | Calciumsulfat |
| Germany | TRGS 900 Occupational exposure limit value (mg/m ³) | 6 mg/m ³ |
| Germany | Remark (TRGS 900) | DFG |

8.2. Exposure controls

Appropriate engineering controls Ensure good ventilation of the work station.

Personal protective equipment Avoid all unnecessary exposure.

Hand protection Protective gloves. Wear protective gloves

| Type | Material | Permeation | Thickness (mm) | Standard |
|-------------------|----------------------|------------------|----------------|----------|
| Disposable gloves | Nitrile rubber (NBR) | 3 (> 60 minutes) | >0.4 | EN 374 |

Eye protection Safety glasses. Chemical goggles or safety glasses

| Type | Use | Characteristics | Standard |
|----------------|-----|-----------------|----------------|
| Safety glasses | | | EN 166, EN 170 |

Skin and body protection Wear suitable protective clothing

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment. Wear appropriate mask

| Device | Filter type | Condition | Standard |
|-----------|-------------|-----------|----------|
| Dust mask | Type P2 | | |



Environmental exposure controls Avoid release to the environment.

Other information Do not eat, drink or smoke during use.

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 | Not determined |
| Freezing point | Not applicable |
| Boiling point | No data available |
| Flash point | Not applicable |
| Auto-ignition temperature | Not applicable |
| Decomposition temperature | No data available |
| Flammability (solid, gas) | Not flammable, Non flammable |
| Vapour pressure | No data available |
| Relative vapour density at 20 °C | No data available |

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| | |
|----------------------|---------------------------|
| Relative density | Not applicable |
| Density | Not determined |
| Solubility | Soluble in water. |
| Log Pow | No data available |
| Viscosity, kinematic | Not applicable |
| Viscosity, dynamic | No data available |
| Explosive properties | Product is not explosive. |
| Oxidising properties | No data available |
| Explosive limits | Not applicable |

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity Not classified

| calcium sulfate (7778-18-9) | |
|--|---|
| LD50 oral rat | > 1584 mg/kg bodyweight (Rat; OECD 420: Acute Oral toxicity – Acute Toxic Class Method; Experimental value) |
| Skin corrosion/irritation | Not classified |
| Additional information | Based on available data, the classification criteria are not met |
| Serious eye damage/irritation | Not classified |
| Additional information | Based on available data, the classification criteria are not met |
| Respiratory or skin sensitisation | Not classified |
| Additional information | Based on available data, the classification criteria are not met |
| Germ cell mutagenicity | Not classified |
| | Based on available data, the classification criteria are not met |
| Reproductive toxicity | Not classified |
| Additional information | Based on available data, the classification criteria are not met |
| Specific target organ toxicity (single exposure) | Not classified |
| Additional information | Based on available data, the classification criteria are not met |

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| | |
|---|---|
| Specific target organ toxicity (repeated exposure) | Not classified |
| Additional information | Based on available data, the classification criteria are not met |
| Aspiration hazard | Not classified |
| Additional information | Based on available data, the classification criteria are not met |
| Potential adverse human health effects and symptoms | Based on available data, the classification criteria are not met. |

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

| calcium sulfate (7778-18-9) | |
|------------------------------------|---------------------------------------|
| LC50 fish 1 | 2980 mg/l (96 h; Lepomis macrochirus) |
| LC50 fish 2 | > 56000 mg/l (96 h; Gambusia affinis) |

12.2. Persistence and degradability

| CP 637 | |
|------------------------------------|-----------------------------------|
| Persistence and degradability | Not established. |
| calcium sulfate (7778-18-9) | |
| Persistence and degradability | Biodegradability: not applicable. |
| Biochemical oxygen demand (BOD) | Not applicable |
| Chemical oxygen demand (COD) | Not applicable |
| ThOD | Not applicable |
| BOD (% of ThOD) | Not applicable |

12.3. Bioaccumulative potential

| CP 637 | |
|------------------------------------|------------------------------------|
| Bioaccumulative potential | Not established. |
| calcium sulfate (7778-18-9) | |
| Bioaccumulative potential | No bioaccumulation data available. |

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Additional information Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

| | |
|-----------------------------------|---|
| Waste treatment methods | Dispose of contents/container in accordance with licensed collector's sorting instructions. |
| Waste disposal recommendations | Dispose in a safe manner in accordance with local/national regulations. |
| Ecology - waste materials | Avoid release to the environment. |
| European List of Waste (LoW) code | 17 08 02 - gypsum-based construction materials other than those mentioned in 17 08 01 |

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

Other information No supplementary information available

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| ADR | IMDG | IATA | RID |
|---|--|---------------------------------------|---------------------------------------|
| 14.1. UN number | | | |
| Not regulated for transport | | | |
| 14.2. UN proper shipping name | | | |
| Not applicable | Not applicable | Not applicable | Not applicable |
| 14.3. Transport hazard class(es) | | | |
| Not applicable | Not applicable | Not applicable | Not applicable |
| Not applicable | Not applicable | Not applicable | Not applicable |
| 14.4. Packing group | | | |
| Not applicable | Not applicable | Not applicable | Not applicable |
| 14.5. Environmental hazards | | | |
| Dangerous for the environment : No | Dangerous for the environment : No Marine pollutant : No | Dangerous for the environment : No | Dangerous for the environment : No |
| No supplementary information available | | | |

14.6. Special precautions for user

- Overland transport

- Transport by sea

No data available

- Air transport

No data available

- Rail transport

Carriage prohibited (RID) No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 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

Germany

VwVwS Annex reference

Water hazard class (WGK) 1, low hazard to waters (Classification according to VwVwS, Annex 4)

Storage class (LGK)

LGK 13 - Non-combustible solids

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV

Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

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15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

| | |
|--------------|---|
| Data sources | REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006. |
|--------------|---|

| | |
|-------------------|-------|
| Other information | None. |
|-------------------|-------|

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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