

CP 637

Safety Data Sheet

according to SOR/2015-17, Hazardous Products Regulations (HPR)

Issue date: 10/28/2025

Revision date: 10/28/2025

Supersedes: 01/03/2025

Version: 4.0

SECTION 1: Identification

1.1. Product identifier

Product form Mixture
Trade name CP 637
Product code BU Fire Protection



1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Recommended use Firestop mortar

1.4. Supplier's details

Supplier

Hilti (Canada) Corp.
2201 Bristol Circle
Suite 700
CA L6H 0J8 Oakville, Ontario
Canada
T +1905 8139200
1-800-363-4458 toll free, F +1 905 813 9009
ca-sales@hilti.com

Department issuing data specification sheet

Hilti AG
Feldkircher Strasse
FL 9494 Schaan
Liechtenstein
T +423 234 2111
product.compliance-fire.protection@hilti.com

1.5. Emergency telephone number

Emergency number Emergency CONTACT (24-Hour-Number)
GBK/Infotrac ID 101022
(USA domestic) 1 800 535 5053
or international (001) 352 323 3500

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classification (GHS CA)

Not classified

2.2. GHS Label elements, including precautionary statements

GHS CA labelling

No labelling applicable

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Chemical name / Synonyms | Product identifier | % | Classification (GHS CA) |
|-------------------|---|---------------------|------|-------------------------|
| calcium sulfate | anhydrous gypsum / anhydrous sulfate of lime / basic calcium sulfate / calcium sulfate / calcium sulfate (1:1) / calcium sulfate (CaSO ₄) / calcium sulfate, anhydrous / calcium sulfate, natural / calcium sulphate / crysalba / dead- burned gypsum / drierite / E516 / Franklin fiber H45 / gibs / gypsum, anhydrous / karstenite / muriacite / natural anhydrite / oparex 10 / osteoset / pigment white 25 / satin white / sikkon fluka universal desiccant / SSS-A / sulfate of lime / sulfate of lime, anhydrous / sulfuric acid calcium salt / sulfuric acid calcium(2+) salt (1:1) / sulfuric acid, calcium salt (1:1) / terra alba / thiolite | CAS-No.: 7778-18-9 | ≥ 80 | Not classified |
| Perlite, expanded | - | CAS-No.: 93763-70-3 | < 25 | Not classified |

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures**4.1. Description of first aid measures**

| | |
|---------------------------------------|---|
| First-aid measures after inhalation | Remove person to fresh air and keep comfortable for breathing. Allow affected person to breathe fresh air. Allow the victim to rest. |
| First-aid measures after skin contact | Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Wash skin with plenty of water. |
| First-aid measures after eye contact | Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists. Rinse eyes with water as a precaution. |
| First-aid measures after ingestion | Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Call a poison center or a doctor if you feel unwell. |
| 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). |

4.2. Most important symptoms and effects (acute and delayed)

| | |
|---|--|
| Symptoms/effects | Not expected to present a significant hazard under anticipated conditions of normal use. |
| Symptoms/effects after inhalation | Dust of the product, if present, may cause respiratory irritation after excessive inhalation exposure. Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard. |
| Symptoms/effects after skin contact | None under normal conditions. Dust may cause irritation in skin folds or by contact in combination with tight clothing. |
| Symptoms/effects after eye contact | None under normal conditions. Dust from this product may cause eye irritation. |
| Symptoms/effects after ingestion | None under normal conditions. |
| Potential adverse human health effects and symptoms | Based on available data, the classification criteria are not met. |

4.3. Immediate medical attention and special treatment, if necessary

| | |
|-----------------------------------|------------------------|
| Other medical advice or treatment | Treat symptomatically. |
|-----------------------------------|------------------------|

SECTION 5: Fire-fighting measures**5.1. Suitable extinguishing media**

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

5.2. Specific hazards arising from the hazardous product

| | |
|--|------------------------------|
| Fire hazard | No fire hazard. |
| Explosion hazard | No direct explosion hazard. |
| Hazardous decomposition products in case of fire | Toxic fumes may be released. |

5.3. Special protective equipment and precautions for fire-fighters

| | |
|--------------------------------|---|
| 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. Do not enter fire area without proper protective equipment, including respiratory protection. |
| Protection during firefighting | Do not enter fire area without proper protective equipment, including respiratory protection. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. |

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

| | |
|------------------|---|
| General measures | Avoid dust formation. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage. |
|------------------|---|

6.2. Methods and materials for containment and cleaning up

| | |
|-------------------------|--|
| For containment | Using a clean shovel, put the material in a dry container and cover without compressing it. |
| Methods for cleaning up | Mechanically recover the product. On land, sweep or shovel into suitable containers. Minimise generation of dust. Store away from other materials. |
| Other information | Dispose of materials or solid residues at an authorized site. |

See Section 8, Exposure controls and personal protection, For further information refer to section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

| | |
|-----------------------------------|---|
| Precautions for safe handling | 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. Provide good ventilation in process area to prevent formation of vapour. |
| Hygiene measures | Do not eat, drink or smoke when using this product. Always wash hands after handling the product. |
| Additional hazards when processed | Not expected to present a significant hazard under anticipated conditions of normal use. |

7.2. Conditions for safe storage, including any incompatibilities

| | |
|------------------------|---|
| Technical measures | Keep in a cool, well-ventilated place away from heat. |
| Storage conditions | Keep only in the original container in a cool, well ventilated place away from : Keep container closed when not in use. |
| Incompatible products | Strong acids. Strong bases. |
| Incompatible materials | Moisture. Sources of ignition. Direct sunlight. |
| Storage temperature | 5 – 35 °C |
| Packaging materials | Store always product in container of same material as original container. |

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| | |
|--|--|
| Perlite, expanded (93763-70-3) | |
| Canada (British Columbia) - Occupational Exposure Limits | |
| Local name | Perlite [Particles Not Otherwise Classified (PNOC)] |
| OEL TWA | 10 mg/m ³ Total dust |
| Regulatory reference | OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC) |
| Canada (Nunavut) - Occupational Exposure Limits | |
| Local name | Perlite |
| OEL TWA | 10 mg/m ³ |
| OEL STEL | 20 mg/m ³ |
| Regulatory reference | Occupational Health and Safety Regulations, Nu Reg 003-2016 (Amendment R-044-2021) |
| Canada (Northwest Territories) - Occupational Exposure Limits | |
| Local name | Perlite |
| OEL TWA | 10 mg/m ³ |
| OEL STEL | 20 mg/m ³ |

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| | |
|--|--|
| Regulatory reference | Occupation Health and Safety Regulations R-039-2015 (R-013-2020) |
| Canada (Saskatchewan) - Occupational Exposure Limits | |
| Local name | Perlite |
| OEL TWA | 10 mg/m ³ |
| OEL STEL | 20 mg/m ³ |
| Regulatory reference | The Occupational Health and Safety Regulations, 2020. Chapter S-15.1 Reg 10 |
| calcium sulfate (7778-18-9) | |
| Canada (Alberta) - Occupational Exposure Limits | |
| Local name | Calcium sulphate (Plaster of Paris, Gypsum) |
| OEL TWA | 10 mg/m ³ |
| Regulatory reference | Alberta Regulation 191/2021 |
| Canada (Quebec) - Occupational Exposure Limits | |
| Local name | Calcium sulfate (Gypsum, Plaster of Paris) |
| VEMP (OEL TWA _{EV}) | 10 mg/m ³ Id |
| Notations and remarks | Note 1: The standard corresponds to dust containing no asbestos and the percentage in crystalline silica is less than 1% |
| Regulatory reference | S-2.1, r. 13 - Regulation respecting occupational health and safety |
| Canada (British Columbia) - Occupational Exposure Limits | |
| Local name | Calcium sulfate |
| OEL TWA | 10 mg/m ³ Inhalable |
| Regulatory reference | OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC) |
| Canada (Manitoba) - Occupational Exposure Limits | |
| Local name | Calcium sulfate, the anhydrate |
| OEL TWA | 10 mg/m ³ (I - Inhalable particulate matter) |
| Notations and remarks | TLV® Basis: Nasal symptoms |
| Regulatory reference | ACGIH 2024 |
| Canada (New Brunswick) - Occupational Exposure Limits | |
| Local name | Calcium sulfate |
| OEL TWA | 10 mg/m ³ |
| Canada (Newfoundland and Labrador) - Occupational Exposure Limits | |
| Local name | Calcium sulfate, the anhydrate |
| OEL TWA | 10 mg/m ³ (I - Inhalable particulate matter) |
| Notations and remarks | TLV® Basis: Nasal symptoms |
| Regulatory reference | ACGIH 2024 |
| Canada (Nova Scotia) - Occupational Exposure Limits | |
| Local name | Calcium sulfate, the anhydrate |

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| | |
|--|--|
| OEL TWA | 10 mg/m ³ (I - Inhalable particulate matter) |
| Notations and remarks | TLV® Basis: Nasal symptoms |
| Regulatory reference | ACGIH 2024 |
| Canada (Nunavut) - Occupational Exposure Limits | |
| Local name | Gypsum, Plaster of Paris (Calcium sulphate) |
| OEL TWA | 10 mg/m ³ |
| OEL STEL | 20 mg/m ³ |
| Regulatory reference | Occupational Health and Safety Regulations, Nu Reg 003-2016 (Amendment R-044-2021) |
| Canada (Northwest Territories) - Occupational Exposure Limits | |
| Local name | Gypsum, Plaster of Paris (Calcium sulphate) |
| OEL TWA | 10 mg/m ³ |
| OEL STEL | 20 mg/m ³ |
| Regulatory reference | Occupation Health and Safety Regulations R-039-2015 (R-090-2024) |
| Canada (Ontario) - Occupational Exposure Limits | |
| Local name | Calcium sulfate |
| OEL TWA _{EV} | 10 mg/m ³ (I - Inhalable fraction) |
| Regulatory reference | Ontario Occupational Exposure Limits under Regulation 833 |
| Canada (Prince Edward Island) - Occupational Exposure Limits | |
| Local name | Calcium sulfate, the anhydrate |
| OEL TWA | 10 mg/m ³ (I - Inhalable particulate matter) |
| Notations and remarks | TLV® Basis: Nasal symptoms |
| Regulatory reference | ACGIH 2024 |
| Canada (Saskatchewan) - Occupational Exposure Limits | |
| Local name | Calcium sulphate (Gypsum, Plaster of Paris) |
| OEL TWA | 10 mg/m ³ |
| OEL STEL | 20 mg/m ³ |
| Regulatory reference | The Occupational Health and Safety Regulations, 2020. Chapter S-15.1 Reg 10 |

8.2. Appropriate engineering controls

| | |
|----------------------------------|--|
| Appropriate engineering controls | Ensure good ventilation of the work station. |
| Environmental exposure controls | Avoid release to the environment. |

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Avoid all unnecessary exposure. Protective goggles. Protective clothing. Gloves.

| |
|-------------------------|
| Hand protection: |
| Wear protective gloves. |

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

Eye protection:

Chemical goggles or safety glasses. Use eye protection according to EN 166.

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of dust formation use respirator with filter:

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

Personal protective equipment symbol(s):



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 | light red white |
| Odour | odourless |
| Odour threshold | No data available |
| pH | No data available |
| Relative evaporation rate (butylacetate=1) | No data available |
| Relative evaporation rate (ether=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) | Non flammable. |
| Vapour pressure | No data available |
| Relative vapour density at 20°C | No data available |
| Relative density | No data available |
| Density | Not determined |
| Solubility | insoluble in water. |

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| | |
|---|---------------------------|
| Partition coefficient n-octanol/water (Log Pow) | No data available |
| Viscosity, kinematic | Not applicable |
| Explosive properties | Product is not explosive. |
| Explosive limits | Not applicable |

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

| | |
|------------------------------------|--|
| Reactivity | The product is non-reactive under normal conditions of use, storage and transport. |
| Chemical stability | Not established. |
| Possibility of hazardous reactions | Not established. |
| Conditions to avoid | Direct sunlight. Extremely high or low temperatures. |
| Incompatible materials | Strong acids. Strong bases. |
| Hazardous decomposition products | fume. Carbon monoxide. Carbon dioxide. |
| Hardening time: | No additional information available |

SECTION 11: Toxicological information

11.1. Information on toxicological effects

| | |
|-----------------------------|----------------|
| Acute toxicity (oral) | Not classified |
| Acute toxicity (dermal) | Not classified |
| Acute toxicity (inhalation) | Not classified |

| calcium sulfate (7778-18-9) | |
|-----------------------------|---|
| LD50 oral rat | > 1581 mg/kg bodyweight (OECD 420: Acute Oral toxicity – Acute Toxic Class Method, Rat, Female, Experimental value, Converted value, Oral, 14 day(s)) |
| LD50 oral | 5000 mg/kg |
| LC50 Inhalation - Rat | > 2.61 mg/l air (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male / female, Experimental value, Converted value, Inhalation (dust), 14 day(s)) |

| | |
|-----------------------------------|----------------|
| Skin corrosion/irritation | Not classified |
| Serious eye damage/irritation | Not classified |
| Respiratory or skin sensitization | Not classified |
| Germ cell mutagenicity | Not classified |
| Carcinogenicity | Not classified |
| Reproductive toxicity | Not classified |
| STOT-single exposure | Not classified |
| STOT-repeated exposure | Not classified |
| Aspiration hazard | Not classified |

| CP 637 | |
|----------------------|----------------|
| Viscosity, kinematic | Not applicable |

| | |
|---|--|
| Potential adverse human health effects and symptoms | Based on available data, the classification criteria are not met. |
| Symptoms/effects | Not expected to present a significant hazard under anticipated conditions of normal use. |
| Symptoms/effects after inhalation | Dust of the product, if present, may cause respiratory irritation after excessive inhalation exposure. Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard. |
| Symptoms/effects after skin contact | None under normal conditions. Dust may cause irritation in skin folds or by contact in combination with tight clothing. |

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| | |
|------------------------------------|--|
| Symptoms/effects after eye contact | None under normal conditions. Dust from this product may cause eye irritation. |
| Symptoms/effects after ingestion | None under normal conditions. |

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. |
| Hazardous to the aquatic environment, short-term (acute) | Not classified |
| Hazardous to the aquatic environment, long-term (chronic) | Not classified |

| calcium sulfate (7778-18-9) | |
|-----------------------------|---|
| LC50 - Fish [1] | 2980 mg/l (96 h, Lepomis macrochirus, Literature study) |

12.2. Persistence and degradability

| CP 637 | |
|-------------------------------|-----------------------------------|
| Persistence and degradability | Not established. |
| calcium sulfate (7778-18-9) | |
| Not rapidly degradable | |
| Persistence and degradability | Biodegradability: not applicable. |
| Chemical oxygen demand (COD) | Not applicable (inorganic) |
| ThOD | Not applicable (inorganic) |

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

| calcium sulfate (7778-18-9) | |
|-----------------------------|---|
| Surface tension | No data available in the literature |
| Ecology - soil | No (test)data on mobility of the substance available. |

12.5. Other adverse effects

| | |
|-------------------|-----------------------------------|
| Ozone | Not classified |
| Other information | Avoid release to the environment. |

SECTION 13: Disposal considerations

13.1. Disposal methods

| | |
|---------------------------------|---|
| Regional waste regulation | Disposal must be done according to official regulations. |
| Waste treatment methods | Dispose of contents/container in accordance with licensed collector's sorting instructions. |
| Sewage disposal recommendations | Disposal must be done according to official regulations. |



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Product/Packaging disposal recommendations

Dispose in a safe manner in accordance with local/national regulations. Disposal must be done according to official regulations.

Additional information

Do not re-use empty containers.

Ecological waste information

Avoid release to the environment.

SECTION 14: Transport information

In accordance with TDG / DOT / IMDG / IATA

| TDG | DOT | IMDG | IATA |
|--|----------------|----------------|----------------|
| 14.1. UN number | | | |
| Not applicable | Not applicable | Not applicable | Not applicable |
| 14.2. 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 |
| 14.4. Packing group | | | |
| Not applicable | Not applicable | Not applicable | Not applicable |
| 14.5. Environmental hazards | | | |
| Not applicable | Not applicable | Not applicable | Not applicable |
| No supplementary information available | | | |

14.6. Special precautions for user

TDG

Not applicable

DOT

Not applicable

IMDG

Not applicable

IATA

Not applicable

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

Not applicable

SECTION 15: Regulatory information

15.1. National regulations

| | |
|-------------------------|---|
| CP 637 | |
| Canada DSL & NDSL Flags | All components of this product are listed, or excluded from listing, on the Canadian Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL) |



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calcium sulfate (7778-18-9)

Listed on the Canadian DSL (Domestic Substances List)

SECTION 16: Other information

Issue date 10-28-2025
Revision date 10-28-2025
Supersedes 01-03-2025

Indication of changes

| Section | Changed item | Change | Comments |
|---------|--------------|--------|---|
| | | | SOR/2015-17, Hazardous Products Regulations (HPR) |

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.

Abbreviations and acronyms:

| | |
|--------|---|
| ADN | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR | European Agreement concerning the International Carriage of Dangerous Goods by Road |
| ATE | Acute Toxicity Estimate |
| BCF | Bioconcentration factor |
| BLV | Biological limit value |
| BOD | Biochemical oxygen demand (BOD) |
| COD | Chemical oxygen demand (COD) |
| DMEL | Derived Minimal Effect level |
| DNEL | Derived-No Effect Level |
| EC-No. | European Community number |
| EC50 | Median effective concentration |
| EN | European Standard |
| IARC | International Agency for Research on Cancer |
| IATA | International Air Transport Association |
| IMDG | International Maritime Dangerous Goods |
| LC50 | Median lethal concentration |
| LD50 | Median lethal dose |
| LOAEL | Lowest Observed Adverse Effect Level |
| NOAEC | No-Observed Adverse Effect Concentration |



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| Abbreviations and acronyms: | |
|-----------------------------|--|
| NOAEL | No-Observed Adverse Effect Level |
| NOEC | No-Observed Effect Concentration |
| OECD | Organisation for Economic Co-operation and Development |
| OEL | Occupational Exposure Limit |
| PBT | Persistent Bioaccumulative Toxic |
| PNEC | Predicted No-Effect Concentration |
| RID | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SDS | Safety Data Sheet |
| STP | Sewage treatment plant |
| ThOD | Theoretical oxygen demand (ThOD) |
| TLM | Median Tolerance Limit |
| VOC | Volatile Organic Compounds |
| CAS-No. | Chemical Abstract Service number |
| N.O.S. | Not Otherwise Specified |
| vPvB | Very Persistent and Very Bioaccumulative |
| ED | Endocrine disruptor |

SDS_CA_Hilti

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.