

Safety data sheet

FIRESAFE GPG MORTAR

Version 2.0

Effective date: 16-12-2022

Revised date: 27-03-2025

FIRESAFE



SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1 Product identifier.

Trade name: FIRESAFE GPG MORTAR.

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

Product use: Fireproofing, Fire sealing of cables, pipes and ventilation ducts and empty recesses in walls and slabs of brick / concrete or plasterboard constructions.
Professional use.

1.3 Details of the Supplier of the safety data sheet:

Company: Firesafe AS
Robsrudskogen 15
1470 Lørenskog
Norge
Phone: +47 09110

Contact: firmapost@firesafe.no

1.4 Emergency telephone number:

| Country | Organisation/Company | Address | Emergency number |
|----------------|---|---|---|
| United Kingdom | National Poisons Information Service (Newcastle Unit) | Claremont Place Newcastle-upon-Tyne, Newcastle | +44 191 2606182 / +44 191 2606180 (24H) |
| Norway | Giftinformasjonen Directorate of Health and Social Affairs | P.O. Box 7000, St. Olavs Plass 0130 Oslo | +47 22 59 13 00 (24H) Open everyday, 24 hours a day. |
| Other country | Use your national or local emergency number. | | |

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture according to CLP No 1272/2008/GB CLP.
Not classified.

2.2 Label elements CLP No 1272/2008/GB CLP:

Not classified.

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Additional labelling:

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2.3 Other hazards.

The product develops an alkaline pH value with moisture and can cause irritation. Do not handle until all safety precautions have been read and understood.

Contains no PBT or vPvB substances according to REACH No 1907/2006.

This mixture does not contain substances with endocrine disrupting properties in accordance with the criteria laid down in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

The product is a mixture.

3.2 Mixture:

| CAS/EC No | REACH No | Name | Content % | Classification |
|--------------------------|----------------------|----------------------|-----------|---|
| 7778-18-9 / 231-900-3 | 01-2119444918- 26 | Calcium sulphate | 75<100 | Not classified. |
| 1305-62-0 / 215-137-3 | 01-2119475151- 45 | Calcium dihydroxide* | 0.5<0.8 | Skin Irrit. 2; H315, Eye Dam. 1; H318, STOT SE 3; H335. |

*ATE Calcium dihydroxide:

Dermal – LD50: >2500 mg/kg

Oral – LD50: >2000 mg/kg

See full text of H-phrases in section 16. Occupational limits are listed in section 8, if these are available.

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures.

Inhalation:

Remove to fresh air; seek medical advice if irritation persists.

Skin contact:

Wash with plenty of water and soap. Clean contaminated clothing and shoes before use. If necessary seek medical advice.

Eye contact:

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Seek medical attention if irritation persists.

Ingestion:

Rinse mouth immediately and drink plenty of water.
Do NOT induce vomiting. Seek medical advice.

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

Has an extreme pH value in contact with water. Skin and eye irritation may occur.



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

Treat symptomatically.

SECTION 5. FIRE FIGHTING MEASURES

5.1 Extinguishing media: Non-flammable. Select the appropriate fire extinguisher for the surrounding environment.

Unsuitable extinguishing media:
None known.

5.2 Special hazards arising from the substance or mixture:
None known.
Product hardens in contact with water.

5.3 Advice for firefighters: Wear self-contained breathing apparatus and protective clothing to prevent contact. Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:
Wear appropriate personal protective equipment as specified in section 8. Ensure adequate ventilation. Avoid dust formation. Avoid contact with skin, eyes and clothes. Product forms slippery coatings with water.

6.2 Environmental precautions:
Do not discharge into the drains/surface waters/groundwater.

6.3 Methods and material for containment and cleaning up:
Pick up mechanically, dry and place in suitable containers for disposal.

6.4 Reference to other sections:
See section 7 for safe handling.
See section 8 for personal protection.
See section 13 for disposal.

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling:
See section 8 for personal protection. Used in well-ventilated area. Avoid contact with skin and eyes. Avoid dust formation. Avoid inhalation of dust/particles.

Measures to prevent fire:
Product itself does not burn.
No special fire protection measures are necessary.

Advice on general occupational hygiene:
Remove contaminated, saturated clothing immediately.
Do not to eat, drink and smoke in work areas. Wash hands after use.
Remove contaminated clothing and protective equipment before entering eating areas.

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7.2 Conditions for safe storage, including any incompatibilities:

Keep container tightly closed.
Avoid high temperatures or direct sunlight.

7.3 Specific end use(s):

This product should only be used for applications described in section 1.2.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Occupational exposure limits WEL (Great Britain):

Calcium sulphate – CAS 7778-18-9:

Respirable TWA 8 h.: 1 mg/m³

Respirable STEL 15 min.: 4 mg/m³

Calcium dihydroxide – CAS 1305-62-0:

Respirable TWA 8 h.: 1 mg/m³

Respirable STEL 15 min.: 4 mg/m³

DNEL / PNEC:

-

8.2 Exposure controls.

Appropriate technical measures:

Airborne concentrations should be kept as low as possible. Ensure good ventilation at the workplace.

General information / Hygiene measures:

Smoking, consumption of food or liquid, and storage of tobacco, food or liquid, are not allowed in the workroom. Whenever you take a break in using this product and when you have finished using it, all exposed areas of the body must be washed. Always wash hands, forearms and face. Avoid contact with eyes and skin.

Personal protective equipment:

Only CE-marked personal protection equipment should be used.



Respiratory protection:

Normally not required. If dust formation: use respiratory protection with filter A2/P2.

Hand protection:

Wear protective gloves.
Nitrile gloves.

Eye protection:

Eye glasses with side protection.

Body protection:

Normal work clothing.

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Measures to avoid environmental exposure:

No special precautions are necessary.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties.

| | |
|--|--|
| Physical state: | Powder |
| Colour: | White / grey |
| Odour: | Odourless |
| Melting point/freezing point: | Not relevant/no data |
| Boiling point: | Not relevant/no data |
| Flammability: | Not relevant/no data |
| Lower and upper explosion limit: | Not relevant/no data |
| Flash point: | Not relevant/no data |
| Auto-ignition temperature: | Not relevant/no data |
| Decomposition temperature: | Not relevant/no data |
| pH: | 11 – 12 (100 g/L in water) |
| Kinematic viscosity: | Not relevant/no data |
| Solubility: | Soluble in water ~2 g/L |
| Partition coefficient n-octanol/water: | Not relevant/no data |
| Vapour pressure: | Not relevant/no data |
| Density and/or relative density: | 2.3 g/cm ³ / Calcium sulphate |
| Relative vapour density: | Not relevant/no data |
| Particle characteristics: | Not relevant/no data |

9.2 Other information:

Thermal decomposition of gypsum/Calcium sulphate: ~+140°C.

SECTION 10. STABILITY AND REACTIVITY

- 10.1 Reactivity:** No dangerous reaction known under conditions of normal use and storage.
- 10.2 Chemical stability:** Stable under recommended conditions.
- 10.3 Possibility of hazardous reactions:** No dangerous reactions known.
- 10.4 Conditions to avoid:** None.
- 10.5 Incompatible materials:** No information.
- 10.6 Hazardous decomposition products:** No hazardous decomposition products known.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008/GB CLP.

Acute toxicity: Not classified.

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ATE product:
Oral: >2000 mg/kg
Dermal: >2000 mg/kg
Inhalation (dust/mist): >5 mg/L

Calcium dihydroxide – CAS 1305-62-0:
Oral – LD50 – Rat: >2000 mg/kg – OECD 425
Dermal – LD50 – Rabbit: >2500 mg/kg – OECD 402

| | |
|--|---|
| Skin corrosion/irritation: | Not classified. |
| Serious eye damage/irritation: | Not classified. Mixture with 5% Calcium dihydroxide – CAS 1305-62-0: Negative according to OECD 404. |
| Respiratory or skin sensitization: | Not classified. |
| Germ cell mutagenicity: | Not classified . |
| Carcinogenicity: | Not classified. |
| Reproductive toxicity: | Not classified. |
| Specific target organ toxicity - single exposure: | Not classified. |
| Specific target organ toxicity – repeated exposure: | Not classified. |
| Aspiration hazard: | Not classified. |
| 11.2 Information on other hazards: | |
| Endocrine disrupting properties: | The product/substance has no endocrine disrupting properties. |
| Additional Information: | None specific. |

SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity: The product is not classified as harmful to the environment.

Calcium dihydroxide – CAS 1305-62-0:
Fish – LC50 – 96 h.: 50.6 mg/L
Daphnia – EC50 – 48 h.: 49.1 mg/L
Algae – ErC50 – 72 h.: 48 mg/L

12.2 Persistence and degradability:
Not relevant for inorganic substances.

12.3 Bioaccumulative potential:
The product has not been tested.

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12.4 Mobility in soil: The product has not been tested.

12.5 Result of PBT and vPvB assessment:
Not classified as PBT/vPvB by current EU criteria.

12.6 Endocrine disrupting properties:
The product/substance has no endocrine disrupting properties.

12.7 Other adverse effects: None known.
Avoid release to the environment.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods: Dispose of waste and residues in accordance with local authority requirements. The coding of a waste stream is based on the application of the product by the consumer.
Option:

EWC-code: 17 08 02 Building material made of gypsum, with the exception of those falling under 17 08 01
17 09 04 Mixed construction and demolition waste with the exception of those falling under 17 09 01, 17 09 02 and 17 09 03.

Contaminated packing: Properly cleaned container is disposed of according to packaging material, otherwise for incineration.

SECTION 14. TRANSPORT INFORMATION

This product is not classified as dangerous to transport.

| | ADR/RID | IMDG/IMO |
|--|--------------|--------------|
| 14.1 UN number or ID number | Not relevant | Not relevant |
| 14.2 UN proper shipping name | Not relevant | Not relevant |
| 14.3 Transport hazard class(es) | Not relevant | Not relevant |
| 14.4 Packing group | Not relevant | Not relevant |
| 14.5 Environmental hazards - MP | No | No |
| Other informations | Not relevant | Not relevant |

14.6 Special precautions for user:
Not relevant

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14.7 Maritime transport in bulk according to IMO instruments:

Not relevant.

SECTION 15. REGULATORY INFORMATION

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

Sources: Current ADR regulations 2024. Reporting of Injuries, Diseases and Dangerous Occurrences Regulations 2013. Regulation (EU) 2016/425 of 9 March 2016 on personal protective equipment. Hazardous Waste (England and Wales) Regulations 2005 (as amended). EC regulation 1907/2006 (REACH) Directive 2000/532/EC. Seveso directive: 96/82/EC. EC regulation No 2020/878. CLP regulation No 1272/2008. REACH regulation 1907/2006. GB CLP.

Additional information: None.

15.2 Chemical safety assessment:

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16. OTHER INFORMATION

Full text of H-phrases as mentioned in section 3:

H315 Causes skin irritation.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

Additional information:

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.

Descriptions of possible used abbreviations:

BCF Bioconcentration factor.

CAS Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances).

COD Chemical oxygen demand.

DNEL Derived No-Effect Level.

EC50 Effective Concentration 50 %. The EC50 corresponds to the concentration of a tested substance causing 50 % changes in response (e.g. on growth) during a specified time interval.

IMDG International Maritime Dangerous Goods Code.

LC50 Lethal Concentration 50%: the LC50 corresponds to the concentration of a tested substance causing 50 % lethality during a specified time interval.

LD50 Lethal Dose 50 %: the LD50 corresponds to the dose of a tested substance causing 50 % lethality during a specified time interval.

PBT Persistent, Bioaccumulative and Toxic.

PNEC Predicted No-Effect Concentration.

UN RTDG UN Recommendations on the Transport of Dangerous Good.

vPvB Very Persistent and very Bioaccumulative.

Revised 27-03-2025 section: 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 15, 16.

Validated by: SRS - www.msds-eu.com