Safety data sheet
FIRESAFE GPG MORTAR
Version 1.0
Effective date: 16-12-2022

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.

Additional labelling:
-

2.3 Other hazards.
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	Calsium sulphate	>75	Not classified.

Occupational limits are listed in section 8, if these are available.

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures:

General information: No adverse effects are expected during normal use of the substance.

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. Seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed:
None known.

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.

5.3 Advice for firefighters: Wear self-contained breathing apparatus and protective clothing to prevent contact.

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.

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 8 and 13.

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:
Do not to eat, drink and smoke in work areas. Wash hands after use.
Remove contaminated clothing and protective equipment before entering eating areas.

7.2 Conditions for safe storage, including any incompatibilities:
Store in original packaging.

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):

Calsium sulphate – CAS 7778-18-9:

Dust - total inhalable	10 mg/m³
- respirable	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 P2.

Hand protection: Wear protective gloves.
Cotton gloves impregnated with nitrile.

Eye protection: Use tight-fitting safety goggles if risk of eye contact. EN 166

Body protection: Normal work clothing.

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, 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
Kinematic viscosity:	Not relevant/no data
Solubility:	Soluble in water ~8.8 g/l at +20°C
Partition coefficient n-octanol/water:	Not relevant/no data
Vapour pressure:	Not relevant/no data
Density and/or relative density:	2.3 – 3.0 g/cm³

Relative vapour density:	Not relevant/no data
Particle characteristics:	Not relevant/no data

9.2 Other information:
Thermal decomposition of gypsum/Calcium sulphate:
$CaSO_4 \times 1/2\ H_2O$ and H_2O ~+140°C.
CaO and SO_3 ~+1000°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: No further relevant information available

10.5 Incompatible materials: No incompatible materials known.

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.

Calsium sulphate – CAS 7778-18-9:
Oral – LD50 – Rat: >3000 mg/kg

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.

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.

Calsium sulphate – CAS 7778-18-9:
Fish – LC50 – 96 h.: >79 mg/L – OECD 203
Daphnia – EC50 – 48 h.: >79 mg/L – OECD 202
Algae – EC50 – 72 h.: >79 mg/L – OEDD 201
STP – EC50 – 3 h.: >790 mg/L – OECD 209

12.2 Persistence and degradability:
The product rapidly hydrolyzes calcium and sulfate ions in the presence of water. The individual components are difficult to eliminate from the water.

12.3 Bioaccumulative potential:
Product is not bioaccumulating.

12.4 Mobility in soil: Water-soluble solid calcium sulfate.
Calcium sulfate is a natural component in soils.
In case of penetration into the ground the product is mobile and can contaminate the ground water.

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.

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

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:
Chemicals (Hazard Information and Packaging for Supply) Regulations 2009. Control of Substances Hazardous to Health Regulations 2002 (as amended). Merchant Shipping (Dangerous Goods and Marine Pollutants) Regulations 1997. 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:
Not relevant.

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.

Validated by:
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