

Firebreak Compound

SAFETY DATA SHEET

1. Identification of the preparation and company

Product Name: Firebreak Compound.

- Single pack fire resistant mortar mix

Intended use:

- Rigid fire resistant gap seal to walls and floors
- Rigid fire resistant service penetration seal to walls and floors

Supplier: Neutron Fire Technologies Limited, Shire Hall, Lostwithiel, Cornwall, PL22 0BS, United Kingdom. Telephone: +44 (0) 1208 871 185
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2. Hazards identification

Classification of the mixture - Regulation EC 1272/2008:

- This product is not classified as hazardous according to regulation (EC) 1272/2008 (CLP)

The powder when mixed with water hardens to a solid material that is not combustible or explosive. A single or short term exposure to

dust from the dry product or the wet mixed product presents little or no hazard.

The product may cause eye, skin and respiratory tract irritation (see section 4).

3. Composition / information on ingredients

- Does not contain asbestos, fibres, halogens or other toxic materials.
- Firebreak Compound is a mixture of inorganic binder, natural lightweight aggregates and additives
- The product is not classified as hazardous according to Regulation (EC) No. 1272/2008 on CPL on substances and mixtures.

Components	CAS no.	Content (%)	Classification
Calcium Sulphate Dihydrate	26499-65-0	55 – 100	None

According to Reg. (EC) 1278/2008 (CLP)

4. First-aid measures

General:

- In all cases of doubt, or when symptoms persist, seek medical attention

Inhalation:

- Remove to fresh air
- If breathing is irregular or stopped, administer artificial respiration

Eye contact:

- Remove contact lenses if present
- Immediately irrigate eyes copiously with clean water for at least 15 minutes and seek medical attention without delay

Skin contact:

- Remove contaminated clothing
- Wash skin thoroughly with soap and water or recognised skin cleaner
- Do NOT use solvents or thinners
- Seek medical attention if skin irritation persists

Ingestion:

- If swallowed obtain immediate medical attention
- Rinse out mouth with water
- Drink plenty of water
- Do NOT induce vomiting

5. Firefighting measures

- The material is classified as 'noncombustible'
- Paper packaging is combustible

- Extinguish fire with water spray, etc
- Use extinguishing media appropriate for the surrounding area

6. Accidental release measures

Personal precautions:

- Exclude non-essential personnel
- Avoid contact with eyes, skin and clothing (see protective measures in sections 7 and 8)

- Avoid dust formation and vacuum or sweep up and shovel into bags
- Prevent residue from entering drains or watercourse
- Place waste in marked containers and dispose of in accordance with local regulations (see Section 13)
- Wetted material will set hard within approximate 60 minutes

Environmental precautions:

- This product does not present any particular risk for the environment

Continues on the next page.

7. Handling and storage

Handling:

- Minimise and control dust when opening bags and mixing and avoid breathing in of dust
- Avoid contact with eyes and prolonged or repeated contact with skin by wearing suitable protective clothing
- Be aware there may be powder residue on the outside of the bags

Firebreak Compound is supplied in 20Kg bags. When handling bags due regard should be paid to the provisions of the Manual Handling

Operations Regulations 1992 and/or other local handling guidance documentation.

Storage:

- Stack bags safely
- Keep dry and protect from dampness and humidity
- Shelf life of correctly stored and unopened bags of Firebreak Compound is 12 months from date of manufacture

8. Exposure controls / personal protection

Workplace Exposure Limit – LTEL:

- 10 mg/m³ (inh.)
- 4 mg/m³ (resp.)
- 8 Hour TWA

(Inh. = inhalable dust, Resp. = respirable dust).

Personal protection:

- Contact your local supplier of personal protection equipment for guidance when choosing suitable equipment for the working situation in question

Respiratory protection:

- The use of a dust mask or equivalent to EN 149 Category FFP2S, and the provision of dust extraction/ventilation where dust is produced is recommended
- Use in well ventilated areas

Hand protection:

- To avoid prolonged or repeated wet contact wear disposable gloves

Eye protection:

- Wear safety goggles or other suitable eye protection

Skin protection:

- Wear suitable work clothes and safety footwear

9. Physical and chemical properties

Appearance:

- Physical state: Powder
- Colour: White to off-white (pink) powder
- Odour: None
- Density: Approximately 675 Kg/m³

Safety relevant basic data:

- Flash point: Not relevant

- Boiling point: None
- Vapour pressure: Not relevant
- Specific gravity: 1.60 to 1.64 g/ml at 20°C
- Solubility in water: Approximately 1% by weight
- pH: 5 to 8
- VOC: 0g/ltr
- Autoignition temperature: Not combustible
- Decomposition temperature: Above 1200°C

10. Stability and reactivity

- Stable product which does not cause any dangerous reactions with other substances
- Product is designed to harden when mixed with water

Hazardous decomposition products:

- None in normal circumstances
- Above 1200°C the product can be decomposed into Sulphur Oxide gasses and Calcium Oxide (quicklime)

Dangerous reactions:

- None

Dangerous properties:

- None
- Product in water becomes mildly alkaline
- Contact with strong acids should be avoided

11. Toxicological information

Not tested on this product. All ingredients are listed in EINECS and are not considered hazardous in the concentrations in which they are present.

Acute toxicity:

- Not toxic

Ingestion:

- Not toxic

Inhalation/skin contact/eye contact:

- May cause eye, skin, throat, lungs irritation for sensitive persons

12. Ecological information

- Slightly soluble in water
- Do not allow to enter drains because of possibility of blockage
- Wet mix solidifies in approximately 60 minutes
- The product is based on the naturally occurring mineral gypsum and presents no ecological hazard to the environment
- Ecotoxicological study available in public domain describes no toxic effect
- Biodegradation and bioaccumulation is not applicable

13. Disposal considerations

- Wastes, including empty bags, should be disposed of at a site suitable for building products and in accordance with local regulations

14. Transport information

This product is not registered as a dangerous material for transport.

Proper shipping name:

- Not classified

U. N. number:

- Not applicable

IMDG:

- Not dangerous goods

ARD/RID:

- Not dangerous goods

IATA:

- Not dangerous goods

Packaging group:

- Not applicable

15. Regulatory information

EEC regulatory information:

- Preparation/mixture is not considered as dangerous according to 67/548/CEE and 99/45/CEE regulations

EU Directives:

- Dangerous Preparation Directive 1999/45/EC

16. Other information

EEC regulatory information:

- Preparation/mixture is not considered as dangerous according to 67/548/CEE and 99/45/CEE regulations

Regulation (EC) No.1272/2008 on Classification, Labelling and Packaging of Substances and Mixtures:

- The information in this safety data sheet provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications
- in case of need of medical attention, bring this safety data sheet

This safety data sheet should be used in conjunction with technical data sheets. It does not replace them. The information given is based on our knowledge of this product, at the time of publication. It is given in good faith. The attention of the user is drawn to the possible risks incurred by using the product for any other purpose than that for which it was intended. This does not in any way excuse the user from knowing and applying all the regulations governing his activity. It is the sole responsibility of the user to fulfil his obligations regarding the use of hazardous products. This information is not exhaustive. This does not exonerate the user from ensuring that legal obligations, other than those mentioned, relating to the use and storage of the product, do not exist. This is solely his/her responsibility.

