



**Firebreak Compound
Material Safety Data Sheet**

1 Identification of the preparation and company

- i) Product Name: Firebreak Compound.
- ii) Single pack, fire resistant mortar mix.
- iii) Intended Use: Rigid fire resistant gap seal to walls and floors.
Rigid fire resistant service penetration seal to walls and floors.
- iv) Supplier: Neutron Fire Technologies Ltd., Shire Hall, Lostwithiel, Cornwall, PL22 0BS
U.K. Telephone: +44 (0) 1208 871185 Facsimile: +44 (0) 1208 871254

2. Composition / information on ingredients

Does not contain asbestos, fibers, halogens or other toxic materials. Firebreak Compound is a mixture of inorganic binder, natural lightweight aggregates and additives.

3. Hazards identification

Non-hazardous, as defined by the Chemicals, (Hazards Information and Packaging) Regulations, 1993.

The product may cause eye, skin and respiratory tract irritation.

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. Immediately irrigate copiously with clean water for at least 15 minutes.

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.



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Ingestion:

- * If swallowed obtain immediate medical attention.
- * Rinse out mouth with water; drink plenty of water.
- * Do NOT induce vomiting.

5. Fire-fighting measures

Material is classified as noncombustible.

Paper packaging is combustible. Extinguish fire with water spray, etc.

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).

Environmental Precautions:

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

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. Please note there may be powder residue on the outside of the bags.
- * Firebreak Compound is supplied in 20 Kg 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; protect from dampness and humidity.
- * Shelf life of unopened bags of Firebreak Compound is six months from date of manufacture.

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Occupational Exposure Limits (OEL's):

Substance	Exposure	mg/m³ (8 Hr. Time-Weighted Average)
Airborne Dust	Total Inhalable	10
Airborne Dust	Total Respirable	5

Personal Protection:

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

Respiratory Protection:

* Wear suitable mask/respiratory equipment if exposed to dusty conditions.

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

Melting Point: 155 °C (decomposition)

Boiling Point: None

Oxidising Properties: None known

Flammability: Not combustible

Volatility: Zero

Vapour Pressure: Not known

Flashpoint: None

Solubility in water: About 1% by weight

Appearance: White to off-white (pink) powder

Odour: None

Density: Approx. 6.8 g/cm³

10. Stability and reactivity

- * Thermal decomposition: Starts to decompose at 55 °C.
- * Decomposition products: Water vapour (steam).
- * Materials to avoid: Strong acids and bases.

11. Toxicological information

Not tested on this product. All ingredients are listed in EINEC8 and are not considered hazardous in the concentrations in which they are present.

Inhalation:

- * Dust may irritate respiratory system. No known long term effects.

Skin Contact:

- * Prolonged or repeated skin contact with powder or wet mix may cause irritation.

Eye Contact:

- * Splashes in the eye may cause irritation.

Ingestion:

- * Ingestion by accident is unlikely to have any significant reaction or long-term effect but should be avoided.

12. Ecological information

- * Slightly soluble in water. Do not allow to enter drains or watercourses.
- * Wet mix solidifies in approximately 60 minutes.

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

Proper Shipping Name: Not classified

U.N. Number: Not classified

ARD/RID: Not classified

ICAO/IATA: Not classified

Flash Point: Not applicable

15. Regulatory information

This product is non-hazardous as defined by the Chemicals, (Hazards Information and Packaging) Regulations, 1993, and subsequent amendments.

16. Other information

REFERENCE DOCUMENTS: Statutory:

Chemical (Hazard Information and Packaging for Supply) (Amendment) Regulations 2002

Air Navigation (Dangerous Substances) Regulations

Carriage of Dangerous Goods by Road and Rails (Classification, Packaging, Labelling) Regulations 1996

Carriage of Dangerous Goods by Road Regulations 1996 as amended

Consumer Protection Act 1987

Control of Pollution (Amendment) Act 1989

Control of Substances Hazardous to Health Regulations 1999

Environmental Protection Act 1995

Environmental Protection (Duty of Care) Regulations 1992

Environmental Protection Act 1990

Factories Act 1961

Health and Safety at Work Act 1974

International Rail/Road Transport - RID and ADR (current editions)

Management of Health and Safety at Work Regulations 1999

Manual Handling Regulations 1992

Merchant Shipping (Dangerous Goods and Marine Pollutants) Regulations 1997

Personal Protective Equipment at Work Regulations 1992

Protection of Eyes Regulations 1974

Provision and use of Personal Protective Equipment Regulations 1992

Special Waste Regulations 1996 as amended

Waste Management Regulations 1996



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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 fulfill 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.