



**Firebreak 55 Putty
Material Safety Data Sheet**

1. Identification of the preparation and company

- i) Product Name: Firebreak 55 Putty
- ii) Non-setting putty containing organic binder/flame retardant, inert inorganic filler, pigment and fungicide.
- iii) Intended Use: Fire resistant internal gap seal
Fire resistant internal penetration seal
- 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

Substances which present a health hazard within the meaning of CHIP regulations, or which are assigned Occupational Exposure Limit values: None

3. Hazards identification

None, according to CHIP regulations. Also refer to Section 11.

4. First-aid measures

General:

- * In all cases of doubt, or when symptoms persist, seek medical attention.
- * If unconscious, place in recovery position, give nothing by mouth.

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 and seek medical attention.

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.
- * Keep at rest.
- * Do NOT induce vomiting.

5. Fire-fighting measures

Suitable Extinguishing Media:

- * All standard fire fighting media i.e. Carbon dioxide; alcohol resistant foam; water spray.

Hazardous Decomposition:

* Fire can produce dense black smoke containing hazardous products of combustion. Exposure to decomposition products may be a hazard to health. Appropriate self-containing breathing apparatus and approved protective clothing is required.

Special Exposure Hazards:

- * None – Noncombustible Material

Cool packaging exposed to fire with water spray. Do not allow run off from fire fighting to enter drains or watercourses.

6. Accidental release measures

- * Exclude non-essential personnel. Avoid breathing in vapours (see protective measures in Sections 7 and 8).
- * Contain/collect spillage with non-combustible absorbent materials (e.g. sand; earth). Place waste in marked containers and dispose of in accordance with local regulations (see Section 13).
- * Clean contaminated surfaces, preferably with detergents. Do not use solvents and prevent residue from entering drains or watercourse. If materials enter drains or watercourse inform the local water authority and/or Environment Agency immediately.

7. Handling and storage

Handling:

- * Avoid skin and eye contact and inhalation of vapour.
- * Smoking, eating and drinking should be avoided in areas of storage or use. Wash hands before breaks and after work. For personal protection; see Section 8.
- * Keep containers closed whilst not in use.
- * Never use pressure to empty; the container is not a pressure vessel.
- * Ensure good housekeeping and regular safe removal of waste materials.
- * The Manual Handling Regulations may apply to the handling of containers/packages of this product. In order to calculate the weight of any pack size, multiply the volume in litres by the specific gravity value given in Section 9. This will give the net weight of the product in



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kilograms. Allowance will then have to be given to the immediate packaging to give the approximate gross weight.

Storage:

- * Observe label precautions.
- * Store between +5° and +30°C in a dry well-ventilated place away from sources of heat. Protect from frost.
- * Do not store product in proximity to food, drink or animal feed. Keep out of the reach of children.
- * Keep the product away from oxidizing agents and strongly alkaline or acid agents.

8. Exposure controls / Personal protection

Exposure controls:

- * Provide adequate ventilation during application and drying.

Occupational Exposure Limits (OEL's): None

Personal Protection:

- * Contact your local supplier of personal protection equipment for guidance when choosing suitable equipment for the working situation in question.
- * All Personal Protective Equipment (ppe) must be selected to meet the requirements of COSHH regulations.

Hand Protection:

- * When skin exposure may occur, advice should be sought from glove suppliers on appropriate types and usage times for this product. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Barrier creams may help to protect exposed areas of skin but are not suitable for full physical protection. They should not be applied once exposure had occurred.

Eye Protection:

- *Wear suitable eye protection designed to protect against liquid splashes.

Skin Protection:

- * Cotton or cotton/synthetic overalls are normally suitable. Grossly contaminated clothing should always be removed and the skin washed with soap and water or a recognised skin cleaner. Always wash your hands before eating, smoking or using the toilet.

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9. Physical and chemical properties:

- a) Physical State: Putty
- b) Flash Point: Above 200°C
- c) Density: 1.9 g/cm³ (20°C)
- d) Colour: Off White/Grey
- e) Solubility in Water: Partly miscible
- f) Melting Point: Material softens above 70 °C

10. Stability and reactivity

- * Stable under recommended storage and handling conditions (see Section 7).
- * If exposed to high temperatures, hazardous decomposition products such as smoke, carbon dioxide, carbon monoxide and oxides of nitrogen may be produced.
- * Keep away from oxidizing agents and strongly alkaline and acid materials

11. Toxicological information

No toxic effects known. The product has been assessed following the conventional method in CHIP and is classified for toxicological hazards accordingly. This takes into account, where known, delayed and immediate effects and chronic effects of components from short term and long term exposure by oral, inhalation and dermal routes of exposure and eye contact. See sections 3 and 15 for details of the resulting hazard classification.

Skin Contact:

- * Repeated or prolonged contact may lead to the removal of natural fats from the skin resulting in non-allergic dermatitis.

Eye Contact:

- * Splashes in the eye may cause irritation and reversible local damage.

12. Ecological information:

- * Not readily biodegradable. Do not allow to enter drains or watercourses.
- * This product has been assessed under the conventional method in CHIP and is not classified as dangerous for the environment.
- * The Air Pollution Control requirements or regulations made under the Environmental Protection Act may apply to the use of the product.

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13. Disposal considerations

- * Do not allow product to enter watercourses or drains.
- * Waste, including emptied containers, is controlled waste and should be disposed of in accordance with regulations made under the Control of Pollution Act and the Environmental Protection Act. Using information provided in this data sheet, advice should be obtained from the relevant Environment Agency whether Special Waste Regulations apply.

14. Transport information

Transport within the users premises: Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of accident or spillage.

Onwards transport subsequent to purchase: Transport to be in accordance with ADR for road, IMDG for sea and ICAO/IATA for air.

Proper shipping name: The product is not classified as dangerous for carriage.

UN Number:

Hazard class:

Packaging group:

Sub-hazard class:

15. Regulatory information

The information contained in this safety data sheet does not constitute the users own assessment of workplace risks as required by other health and safety legislation. The provisions of the Health and Safety at Work Act and the Control of Substances Hazardous to Health Regulations apply to the use of this product at work.

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



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- 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

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.