Firebreak 66 Intumescent Pressure Sealant

SAFETY DATA SHEET

1. Identification of the preparation and company

Product Name: Firebreak 66 Intumescent Pressure Sealant.

- Water based sealant with fire and smoke resisting service penetrating capability for internal use.

Supplier: Neutron Fire Technologies Limited, Shire Hall, Lostwithiel, Cornwall, PL22 0BS, United Kingdom. Telephone: +44 (0) 1208 871185 Facsimile: +44 (0) 1208 871254 Email: sales@neutronfire.com

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)

Label elements – Regulation EC 1272/2008:

- Signal word: None
- Hazard statement: None

3. Composition / information on ingredients

Polymer emulsion with inorganic fillers.

Ingredient	CAS no.	EC no.	REACH registration no.	Classification According to Reg. (EC) 1278/2008 (CLP)	% W/W
Carbon	12777-87-6	231-955-3	01-2119514421-54-xxxx	Not classified	15 – 25%
Clay containing <10% respirable silica	Not applicable	934-756-6 (silica)	Not applicable	H373	5 – 10%
2,2,4-trimethyl-1,3-pentanediol diisobutyrate	6846-50-0	229-934-9	01-2119451093-47-0000	H412	<5%

For full text see Section 16.

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

Ingestion:

- If swallowed wash mouth with water; drink large volumes of water and obtain immediate medical attention
- Keep at rest
- Do NOT induce vomiting

5. Firefighting measures

The liquid product is 'non-flammable'.

Suitable extinguishing media:

- Carbon dioxide, alcohol resistant foam, powder, water spray/mist

Special hazards:

- Above 200°C the product expands rapidly
- Fire will produce dense black smoke containing hazardous products of combustion (see section 10)
- Exposure to decomposition products may be a hazard to health
- Appropriate self-containing breathing apparatus and approved protective clothing may be required
- Do not allow run off from firefighting to enter drains or watercourses

Continues on the next page.

6. Accidental release measures

- Exclude non-essential personnel
- Avoid breathing in vapours (see protective measures in sections 7 & 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 contact with skin and eyes
- 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 and away from sources of ignition
- 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 kilograms. Allowance will then have to be given to the immediate packaging to give the approximate gross weight.

Storage:

- Observe label precautions
- Store between +5º and +25ºC 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

Occupational exposure limits (OELs):

Substance	Occupational exposure limits (OELs)				Notations
	8hr long term exposure limit (LTEL) (1)		15min short term exposure limit (STEL) (2)		
	ppm	mg/m³	ppm	mg/m³	
Respirable silica	–	1.0	–	–	–
Carbon (graphite) respirable dust	–	4	–	–	WEL
Total dust	–	10	–	–	–

(1) Long term exposure limit – 8 hour weighted time.
(2) Short term exposure limit – 15 minutes weighted time.
(S) Occupational exposure standard (OES).
(M) Maximum exposure limit (MEL).
(WEL) Workspace exposure limit.
(R) Recommended by suppliers.
(A) Allocated limits by analogy with similar materials.
(SK) Risk of absorption through unbroken skin.
(Sen) Capable of causing sensitisation by inhalation.

Exposure controls:

- Provide adequate ventilation during application and drying

Where practicable this should be achieved by the use of local exhaust ventilation. If this is not sufficient suitable respiratory protection must be worn (see below).

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), including respiratory protective equipment (RPE), used to control exposure to hazardous substances must be selected to meet the requirements of current regulations

Respiratory protection:

- If exposure to hazardous substances identified in section 8 cannot be controlled by the provision of natural ventilation e.g. work in enclosed areas, exposure should be controlled where reasonably practicable, by the use of mechanical exhaust ventilation; when this is not reasonably practicable, suitable respiratory protective equipment must be worn

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

Continues on the next page.

Eye protection:
- Wear suitable eye protection designed to protect against liquid splashes and conforming to EN166

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

9. Physical and chemical properties

Appearance:
- Physical state: Viscous paste
- Colour: Grey
- Odour: odourless

Safety relevant basic data:
- Flash point: Above 100 °C
- Specific gravity: Approx. 1.5-1.6 at 20°C
- Solubility in water: Miscible
- pH: 7.5 to 8.5

10. Stability and reactivity

Reactivity:
- No data available

Chemical stability:
- Stable under normal temperature and storage conditions

Possibility of hazardous reactions:
- None known

Conditions to avoid:
- See above

Incompatible materials:
- See above

Hazardous decomposition products:
- Oxides of carbon released under high temperature (>300°C)

11. Toxocological information

There is no evidence of toxicological effects of the product.

Ingestion:
- May cause discomfort if swallowed
- May cause stomach pain

Skin contact:
- May be irritating to skin

Eye contact:
- Risk of irritation to eyes

Sensitisation:
- Not sensitising

STOT:
- Not classified

12. Ecological information

Ecotoxicity:
- Not regarded as dangerous for the environment
- Not considered toxic to fish

Persistance and degradeability:
- The product is not biodegradeable

Bioaccumulative potential:
- The product is not bioaccumulating

Mobility in soil:
- Not mobile

Results of PBT and vPvB assessment:
- Not classified as PBT/vPvB

Other adverse effects:
- None known

13. Disposal considerations

- Dispose of this material as special waste in accordance with local or national regulatory requirements
- Do not allow product to enter watercourses or drains

Continues on the next page.

14. Transport information

This product is not covered by international regulation on the transport of dangerous goods.

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

UN number:
- Not applicable

Proper shipping name:
- Not applicable

Transport hazard class:
- Not applicable

Packing group:
- Not applicable

Environmental hazards:
- Not classed as marine pollutant

Special precautions for users:
- Not applicable

Transport in bulk according to Annex II of MARPOL73/78 and the IBC code:
- Not applicable

15. Regulatory information

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

- Chemical (Hazard Information and Packaging for Supply) (Amendment) Regulations 2009
- Control of Substances Hazardous to Health Regulations 1999
- Environment Act 1995
- Management of Health and Safety at Work Regulations 1999
- Personal Protective Equipment at Work Regulations 1992
- Special Waste Regulations 1996 as amended

Health and safety executive guidance notes
- HS(G)37 An Introduction to Local Exhaust Ventilation
- EH40 Occupational Exposure Limits
- EH44 Dust: General Principles of Protection
- HS(G)53 The Selection, Use and Maintenance of Respiratory Protective Equipment
- HS(G)71 Storage of Packaged Dangerous Substances
- HS(G)193 COSHH Essentials: Easy Steps to Control Chemicals
- L23 Manual Handling Guidance on Regulations

British standards publications

- EN420: General Requirements for Gloves
- EN166: Personal Eye Protection: Specifications
- BS2092: Eye Protection for Industrial and Non-Industrial Users
- BS4275: Recommendations for the Selection, Use and Maintenance of Respiratory Protective Equipment

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

Symbols and text of the R phrases are in sections 2 and 3.

STOT SE2: Specific target organ toxicity – single exposure category 2.

H373 May cause damage to lung through prolonged or repeated exposure by inhalation.

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.

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