

Firebreak 331 Water Based Fire Resistant Silicone Sealant

SAFETY DATA SHEET

1. Identification of the preparation and company

Product Name: Firebreak 331 Fire Resistant Water Based Silicone Sealant.

- One component water based silicone sealant with fire and smoke resisting gap and service penetrating capability for internal and external use

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:

- Serious eye irritation category 2 - H319 Causes serious eye irritation.

Label elements – Regulation EC 1272/2008:

- Signal word: Warning



Hazard statement:

- H319 Causes serious eye irritation

Precautionary statement:

- P102 Keep out of reach of children
- P101 If medical advice is needed, have product container or label at hand

P305+P351+P338 IF IN EYES:

- Rinse cautiously with water for several minutes
- Remove contact lenses, if present and easy to do
- Continue rinsing

Other hazards:

- This product DOES NOT contain any PBT or vPvB substances

3. Composition / information on ingredients

Declaration of the ingredients according to CLP (EC) No 1272/2008 or which are assigned Occupational Exposure Limit values:

Ingredient	CAS no.	EC no.	REACH registration no.	Classification	% W/W
				According to Reg. (EC) 1272/2008 (CLP)	
Poly(oxy-1, 2-ethanediyl), a-tridecyl-w-hydroxy	24938-91-8			Acute toxicity 4; oral H302 Serious eye damage/eye irritation 1 H318	1–3%
Thiabendazole	148-79-8			Acute hazards to the aquatic environment 1 H400 Chronic hazards to the aquatic environment 1 H410	< 0.05%
Benzene C14-30-alkyl derivatives	68855-24-3			Chronic hazards to the aquatic environment 4 H413	< 15%

For full text see section 16

Continues on the next page.

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

Most important symptoms and effects:

- Skin contact: Prolonged contact may cause irritation and dry skin
- Eye contact: May cause eye irritation.
- Ingestion: Possible discomfort

5. Firefighting measures

General:

- The wet material is 'non-flammable'

Suitable extinguishing media:

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

Special hazards:

- The product contains organic compounds which in fire will produce dense black smoke containing hazardous products of combustion such as carbon monoxide and carbon dioxide
- 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

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 +5°C and +25°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

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/m ³	ppm	mg/m ³	
	-	-	-	-	

- (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).
- (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.

OELs are taken from the current version of EH40, except those marked (R) or (A) which are assigned by the supplier of the substance.

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)

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: White, grey
- Odour: Slight aromatic

Safety relevant basic data:

- Flash point: N/A
- Specific gravity: 1.31 – 1.36 (20°C)
- Solubility in Water: Miscible
- pH: 7 - 9

10. Stability and reactivity

Reactivity:

- No data available

Chemical stability:

- Stable under normal temperature and storage conditions

Hazardous reactions:

- No dangerous reactions known under normal conditions of use (see product data sheet)

Conditions to avoid:

- Strong acids, bases and oxidizing materials

Incompatible materials:

- See section 4

Hazardous decomposition products:

- See section 5

Continues on the next page.

11. Toxicological information

Information on toxicological effects: Product not tested (see also section 2).

The product has been assessed following the conventional method in CHIP and is classified for toxicological hazards accordingly. See sections 3 and 15 for details of the resulting hazard classification.

No specific health warnings noted.

Ingestion:

- May cause discomfort if swallowed
- May cause stomach pain

Skin contact:

- Irritating to skin

Eye contact:

- Risk of irritation to eyes

Sensitisation:

- May cause an allergic reaction

STOT:

- Not classified

12. Ecological information

Ecotoxicity:

- The product has not been tested (see also section 2).

Components:

- Thiabendazole

LC50 (fish) 0.55mg/l 96hr exposure Oncorhynchus mykiss

EC50 (Daphnia) 0.61mg/l 48hr exposure Daphnia magna

Persistence and degradeability:

- No data available

Bio accumulative potential:

- Thiabendazole

Mobility in soil:

- LogKow 2.47

Results of PBT and vPvB assessment:

- No PBT or vPvB materials present

Other adverse effects:

- Not available

13. Disposal considerations

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

- Cured product is non-hazardous and can be disposed of as household waste
- Dispose of contaminated packaging as product

14. Transport considerations

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:

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

UN number:

- N/A

Proper shipping name:

- N/A

Transport hazard class:

- See 14.2

Packing group:

- See 14.2

Environmental hazards:

- Not classed as marine pollutant

Special precautions for users:

- No (see section 7)

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

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.

