



HEALTH AND SAFETY DATA SHEET

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SECTION 1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

1.1 Product name: FR Intumescent & Acoustic Acrylic Sealant

1.2 Use: A water-borne acrylic sealant with fire and smoke resisting capability for internal gap sealing.

SECTION 2. HAZARDS IDENTIFICATION

2.1.1 Regulation EC 1272/2008

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

2.2 Label elements

2.2.1 Regulation EC 1272/2008

Signal word: None

Hazard statement: None

2.3 Other hazards

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS No.	EC No.	REACH registration No.	Classification According to Reg. (EC) 1278/2008 (CLP)	% W/W
2,2,4-trimethyl-1,3-pentanediol diisobutyrate	6846-50-0	229-934-9	01-2119451093-47-0000	H412	5 – 10%

SECTION 4. FIRST AID MEASURES

4.1 General: In all cases of doubt or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

Skin Contact: Wash skin thoroughly with soap and water or a recognised skin cleaner. DO NOT USE SOLVENT OR THINNERS.

Eye Contact: Contact lenses should be removed. Irrigate copiously with clean, fresh water for at least 10 minutes holding eyelids apart, and seek medical advice.

Ingestion: If accidentally swallowed wash mouth with water and give water to drink. DO NOT Induce vomiting.

Inhalation: Remove to fresh air.

4.2 Most important symptoms and effects

Skin contact: No symptoms anticipated

Eye contact: There may be irritation and redness

Ingestion: No symptoms anticipated. If there is any persistence of discomfort seek medical advice

Inhalation: No symptoms

SECTION 5. FIRE FIGHTING MEASURES

The liquid product is 'non-flammable'.

5.1 Extinguishing Media: Recommended: alcohol resistant foam, CO₂, powder, water spray/mist.

5.2 Special Hazards: As the products contain combustible organic components, fire will produce hazardous products of combustion (see section 10). Exposure to decomposition products may be a hazard to health.

5.3 Advice for firefighters: Appropriate self-contained breathing apparatus may be required. Cool closed containers exposed to fire with water spray. Do not allow run off from fire fighting to enter drains or water courses.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1: Personal precautions and protective equipment: Refer to section 8 of SDS for details

6.2: Environmental precautions: Do not allow to enter drains or water courses. If the product enters drains or sewers, the local water company should be contacted immediately. In the case of contamination of streams, rivers or lakes, the relevant Environment Agency.

6.3: Method for containment and clean up: Contain and collect spillages with non-combustible absorbent materials e.g. sand, earth, vermiculite, diatomaceous earth, and place in a suitable container for disposal in accordance with the waste regulations (see section 13).

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling: Avoid contact with skin and eyes. Smoking, eating and drinking should be prohibited in areas of storage and use. For personal protection see Section 8.

The Manual Handling Operations 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.

7.2 Precautions for safe storage: Keep containers closed when not in use. Never use high pressure to empty. The container is not a pressure vessel. Ensure good housekeeping and regular safe removal of waste materials.

Observe label precautions - Store between 5°C and 25°C in a dry well-ventilated place away from sources of heat . Protect from frost. Keep out of reach of children. Store separately from oxidising agents and strongly alkaline and strongly acidic materials.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Measures: 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 to maintain concentration of solvent vapours below the relevant Occupational Exposure Limit, suitable respiratory protection must be worn (see 'Occupational Exposure Controls' below).

EXPOSURE LIMITS:

Substance	Occupational Exposure Limits				Notations
	8 hr LTEL (1)		15 min STEL(2)		
	ppm	mgm ⁻³	ppm	mgm ⁻³	

(1) Long-term exposure limit - 8 hour time weighted average.

(2) Short-term exposure limit - 15 mins time weighted average.

(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

OCCUPATIONAL EXPOSURE CONTROLS: 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 the COSHH 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 substitutes for full physical protection. They should not be applied once exposure has occurred.

EYE PROTECTION: Eye protection designed to protect against liquid splashes should be worn.

SKIN PROTECTION: Cotton or cotton/synthetic overalls are normally suitable. Grossly contaminated clothing should 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.**

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

physical state	viscous paste		
flash point	>100°C		
viscosity	N. Applicable		
specific gravity	1.60-1.64 @ 20 °C		
solubility in water	miscible when wet.		
pH	7.7-8.5		
VOC	3 g/ltr	LEED(2009) VOC	3.5g/ltr

SECTION 10. STABILITY AND REACTIVITY

- 10.1 Reactivity
No data available
- 10.2 Chemical stability
Stable under normal temperature and storage conditions
- 10.3 Possibility of hazardous reactions
None known
- 10.4 Conditions to avoid
See section 10.3
- 10.5 Incompatible materials
See section 10.3
- 10.6 Hazardous decomposition products
Oxides of carbon released under high temperature (>300°C)

SECTION 11. TOXICOLOGICAL INFORMATION

- 11.1 Information on Toxicological effects
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

SECTION 12. ECOLOGICAL INFORMATION

- 12.1 Ecotoxicity
Not regarded as dangerous for the environment.
Not considered toxic to fish
- 12.2 Persistence and degradeability
The product is not biodegradable.
- 12.3 Bio accumulative potential
The product is not bio accumulating
- 12.4 Mobility in soil
Not mobile
- 12.5 Results of PBT and vPvB assessment
Not classified as PBT/vPvB
- 12.6 Other adverse effects
None known

SECTION 13. DISPOSAL CONSIDERATIONS

Do not allow to enter drains or water courses. Wastes, including emptied containers, are 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 the Special Waste Regulations apply.

SECTION 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 an 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:

Packing group:

Sub-hazard class:

SECTION 15. REGULATORY INFORMATION

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

Control of Substances Hazardous to Health Regulations 2002

Environment Act 1995

Management of Health and Safety at Work Regulations 1999

Personal Protective Equipment at Work Regulations 2002

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

15.2 Chemical safety assessment

SECTION 16. OTHER INFORMATION

Symbols and text of the H phrases in section 2 and 3:

H412 Harmful to aquatic life with long lasting effects

The information contained in the Health and Safety Data Sheet is provided in accordance with the requirements of EU Regulation 1272/2008 (CLP). The product should not be used for purposes other than those identified without first referring to the supplier and obtaining written handling instructions. As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with. This information contained in the safety data sheet is based on present knowledge and current national legislation. It 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 application.