

Orange 240 FR Intumescent Acrylic Sealant

HEALTH AND SAFETY DATA SHEET

Page: 1 of 4
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Issue: 1.1

SECTION 1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

1.1 Product name: Orange 240 FR Intumescent Acrylic Sealant

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

1.3 Supplier of the safety data sheet:

BritChem Limited

Tel: +44 (0) 1924 412000

Unit 6 Beehive Business Park

Fax: +44 (0) 1924 235444

Smithies Lane

Heckmondwike

West Yorkshire

WF16 0NF

e-mail of Competent person responsible for SDS: info@britchem.co.uk

1.4 Emergency Tel: +44 (0) 1924 412000 (office hours only)

SECTION 2. HAZARDS IDENTIFICATION

2.1 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

EUH208: Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.

2.3 Other hazards None

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient

CAS No.

EC No.

REACH registration No.

Classification

According to Reg.

(EC) 1278/2008 (CLP)

% W/W

Dipropylene Glycol Dibenzoate

27138-31-4

248-258-5

01-2119529241-49-0002

H412 Aq Chron – 3

2-5%

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

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. 25 cartridge pack size = 7.75L. 12 cartridge pack size = 3.72L. Cartridge pack weight = Literage x Specific Gravity (Specific Gravity can be found in section 9)

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 5oC and 25oC 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.

(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 >100oC

Viscosity N. Applicable

Specific Gravity 1.60-1.68 @ 20 oC

Solubility in water miscible when wet.

pH 7.7-9.0

TVOC 0.005 mg/m³

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 (>300oC)

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 biodegradeable.

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 1992

Special Waste Regulations 1996 as amended

HEALTH AND SAFETY EXECUTIVE GUIDANCE NOTES

HS(G)258 Controlling Airborne Contaminants at Work

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

L23 Manual Handling Guidance on Regulations

BRITISH STANDARDS PUBLICATIONS

EN420: General Requirements for Gloves

EN166: Personal Eye Protection: Specifications

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 EUH208 Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.

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