

**Product Name:** FIREFLY® FR Intumescent & Acoustic Acrylic Sealant

**Revision Date:** 30/05/2023

**Version:** 2

## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1 Product identifier

**Product Name:** FIREFLY® FR Intumescent & Acoustic Acrylic Sealant

### 1.2 Relevant identified uses of the substance or mixture and advises against

Identified uses: This water-based, fire and smoke resisting acrylic sealant is used for internal gap sealing, linear gap seals and seals around metal pipes, especially where flexibility is required

### 1.3 Details of the supplier of the safety data sheet

#### Address

TBA Protective Technologies Ltd  
Unit 3, Transpennine Industrial Estate Gorrells Way  
Rochdale  
Lancashire, OL11 2PX

Email: info@tba-pt.com

### 1.4 Emergency Telephone Number

+44 (0)1706 647 422

## 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or the mixture

Classification according to Regulation (EC) No 1272/2008:

Not applicable. This product is not classified under the European Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (CLP) and its subsequent amendments.

### 2.2 Label elements

Hazard Pictograms: Not applicable

Signal Word: Not applicable

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

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

### 2.3 Other Hazards

Physical / Chemical Hazards:

May produce an allergic reaction

Health Hazards:

May produce an allergic reaction

Environmental Hazards:

No significant hazards.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

Not Applicable. This material is regulated as an mixture.

### 3.2 Mixtures

#### Description of Mixture:

Fire resistant intumescent & acoustic is a halogen free, acrylic polymer emulsion-based sealant.

#### Hazardous ingredients

Ingredient Name	CAS No.	EC No.	REACH Registration No.	Classification According to Reg. (EC) 1278/20228 (CLP)	w/w (%)
Dipropylene Glycol Dibenzate	27138-31-4	248-258-5	01-2119529241-49-0002	H412 Aq Chron - 3	2 - 5%

Note: The exact concentrations of the above listed chemicals are being withheld as a trade secret.

## 4. FIRST AID MEASURES

### 4.1 Description of first aid measures

**Skin:** Wash skin thoroughly with soap and water. Do not use solvents or thinners.

If accidentally swallowed wash mouth with water and give large quantity of water to drink. If

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

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

**Inhalation:** Remove to fresh air.

**Other first aid information:** In all other cases, seek medical attention.

### 4.2 Most important symptoms and effects, both acute and delayed

**Eye contact:** May cause irritation of the eye.

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

**Skin contact:** No symptoms anticipated

**Inhalation:** No symptoms

### 4.3 Indication of any immediate medical attention and special treatment needed

The need to have special means for providing specific and immediate medical treatment available in the workplace is not expected.

## 5. FIREFIGHTING MEASURES

### 5.1 Extinguishing media

This liquid product is non-flammable.

**Suitable extinguishing media:** All standard firefighting media (water, dry powder, CO2 and alcohol-resistant foam)

### 5.2 Special hazards arising from the substance or mixture

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

### 5.3 Advice for firefighters

**Special fire fighting procedures:**

In large fires, wear self-contained respiratory protective device.

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.

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

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 Methods and material for containment and cleaning up

**Methods for cleaning 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).

### 6.4 Reference to other sections:

Refer to Section 7 for safe handling, Section 8 for personal protection and Section 13 for Waste disposal.

## 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.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in cool, dry conditions. Protect the material from frost. 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

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Control parameters

Exposure controls for hazardous components: Not applicable

### 8.2 Exposure controls

#### Engineering controls:

Provide adequate ventilation during application and drying. Where practicable this should be achieved by the use of local exhaust ventilation

#### Personal Protection:

Personal protective equipment is recommended to be used.

**Respiratory:** Wearing appropriate face mask.

**Skin/Hand:** When skin exposure may occur, advice should be sought from glove suppliers on appropriate types and usage times for this product.

To protect the body, cotton or cotton/synthetic overalls are normally suitable.

**Eye:** Eye protection designed to protect against liquid splashes should be worn

**Hygiene:** Wash hands before breaks and immediately after handling products. Remove contaminated clothing.  
ALWAYS WASH YOUR HANDS BEFORE EATING, SMOKING OR USING THE TOILET.

#### Environmental controls

Protect the environment by applying appropriate control measures to meet the requirements set in Section 13.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Form:** Viscous paste

**Colour:** White

**Melting point/Melting range:** Not applicable

**Boiling point/Boiling range:** Not applicable

**Viscosity:** Not applicable

**Specific gravity:** 1.60-1.68 @ 20 °C

**Flashpoint:** >100 °C

**pH:** 7.7-9.0

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

No data available

### 10.2 Chemical stability

The products are stable and un-reactive under normal conditions of use.

### 10.3 Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

### 10.4 Conditions to avoid

None expected

### 10.5 Incompatible materials

No data available

### 10.6 Hazardous decomposition products

Oxides of carbon released under high temperature (>300 °C).

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

There is no evidence of toxicological effects of the product

**Skin corrosion/irritation:** May be irritating to skin

**Serious eye damage/eye irritation:** Risk of irritation to eyes

**Sensitisation:** Not sensitising

**Aspiration Hazard:** No data available

## 12. ECOLOGICAL INFORMATION

No known harmful effects on the environment

## 13. WASTE DISPOSAL

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.

## 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.

## 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

### EU Regulation (EC) No. 1907/2006 (REACH)

#### Annex XIV - List of substances subject to authorisation

Annex XIV      None of the components are listed.

Substances of very high concern      None of the components are listed.

**15.2 Chemical Safety Assessment:**      Not applicable

## 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.

### History:

Date of issue / Date of revision:      30/05/2023

Prepared by:      MA & KG

Version:      2

### Disclaimer

All information and instructions provided in this Safety Data Sheet (SDS) are based on the current state of scientific and technical knowledge at the date indicated on the present SDS. The purpose of this information is to draw attention to the health and safety aspects concerning the products supplied by us, and to recommend precautionary measures for the storage and handling of the products. No warranty or guarantee is given in respect of the properties of the products. No liability can be accepted for any failure to observe the precautionary measures described in this data sheet or for any misuse of the products. TBA Protective Technologies Ltd shall not be held responsible for any defect in the product covered by this SDS should the existence of such defect not be detectable considering the current state of scientific and technical knowledge.