

**Product Name:** FIREFLY® High Temperature Adhesive (HTA)

**Revision Date:** 03/11/2021

**Version:** 9

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

### 1.1 Product identifier

**Product Name:** FIREFLY® High Temperature Adhesive (HTA)

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

Identified uses: Fire retarding adhesive for bonding a wide range of materials

Used with Firefly fire barriers, in conjunction with Firefly Penetration Collars

Also used to seal minor cuts/gaps in fire barriers.

### 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: Not applicable

Precautionary Statements: Not applicable

P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+352	if on skin: wash with plenty of soap and water
P305+351+338	IF IN EYES: rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P332+313	If skin irritation occurs: Get medical advice/attention.

### 2.3 Other Hazards

#### Physical / Chemical Hazards:

WARNING: This product may cause irritation on contact with eyes or skin. Alkaline

#### Health Hazards:

If dust is generated from dried adhesive, it could cause minor mechanical irritation to the respiratory tract and may cause temporary irritation or rash on skin . May also cause temporary irritation or inflammation on eye contact. When heated, the vapour/fumes given off may cause respiratory tract irritation.

#### Environmental Hazards:

No significant hazards. Material does not meet the criteria for PBT or vPvB in accordance with REACH Annex III.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

Not Applicable. This material is regulated as an mixture.

### 3.2 Mixtures

This material is defined as a mixture

#### Description of Mixture:

A silicate based cement like mixture.

#### Hazardous ingredients

Ingredient Name	Max Amount (wt %)	CAS #	Classification according to Regulation (EC) No. 1272 [CLP]
Silicic Acid, Sodium Salt	40%	1344-09-08	Skin Irrit. 2; Eye Dam. 1
Clay (Respirable Silica)	40%	-	STOT RE 2

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 affected areas with soap and warm water

**Ingestion:** Drink plenty of water if accidentally ingested

**Eyes:** Flush eyes with copious amounts of water for at least 15 minutes

**Inhalation:** Remove to fresh air, drink water to clear throat and blow nose to evacuate fibres

**Other first aid information:** In all cases, if irritation persists seek medical attention.

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

When in contact with skin, the mechanical effects of the chemicals might cause redness, irritation and dry skin. Eye contact may affect vision and cause serious eye damage.

### 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

**Suitable extinguishing media:** All standard firefighting media (water, dry chemical, CO<sub>2</sub> and foam)

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

**Hazardous combustion products:** None. Non-combustible

### 5.3 Advice for firefighters

**Special fire fighting procedures:** Do not allow run offs to enter drains or water courses.

## 6. ACCIDENTAL RELEASE MEASURES

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

Wear protective clothing, use gloves and avoid exposure to skin. Wear goggles to protect eyes.

### 6.2 Environmental precautions

Prevent entry into waterways, sewers, basements or confined areas.

### 6.3 Methods and material for containment and cleaning up

**Methods for cleaning up:** Clean-up mechanically and dispose off as per 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.

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

Products should be protected from ingress of water. Store in dry condition between 5 C and 25 C. Protect from frost.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Control parameters

Exposure controls for hazardous components:

Respirable Silica -	OEL EH40/2005	Total inhalable dust Workplace	4 mg/m <sup>3</sup>
		Exposure Limit	8 hr LTEL
			15 min STEL

### 8.2 Exposure controls

**Engineering controls:** Provide adequate ventilation during application and drying.

**Personal Protection:** Personal protective equipment is recommended.

**Respiratory:** Wearing appropriate face mask if ventilation is insufficient. EN 149 FFP1 or FFP2 is recommended.

**Hand:** Sensitive individuals may need to wear gloves.

**Eye:** Wear goggles, especially when working above shoulders.

**Skin:** Wear long sleeved clothing to cover exposed skin.

### Environmental controls

Protect the environment by applying appropriate control measures to prevent or limit emissions.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Form: Viscouse paste (in a cartridge)	Odour: None
Colour: White	Specific gravity: N/A
Melting point/Melting range: N/A	Flashpoint: N/A
Boiling point/Boiling range: N/A	Auto ignition temperature: N/A

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

No specific test data related to reactivity available for this product or its ingredients.

### 10.2 Chemical stability

Stable under normal temperature and storage conditions.

### 10.3 Possibility of hazardous reactions

Slurry of the product in prolonged contact can react with aluminium, zinc, tin or their alloys evolving hydrogen. Can react generating large amount of heat in contact with strong acids.

### 10.4 Conditions to avoid

See Section 10.3

### 10.5 Incompatible materials

See Section 10.3

### 10.6 Hazardous decomposition products

None in normal conditions of use.

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

**Skin corrosion/irritation:** Prolonged contact may cause slight skin irritation with local redness.

**Serious eye damage/eye irritation:** Mechanical irritant to eyes

**Respiratory sensitisation:** Non sensitising

**Aspiration Hazard:** May be harmful if swallowed and enters airways.

## 12. ECOLOGICAL INFORMATION

No known harmful effects on the environment.

## 13. WASTE DISPOSAL

Dispose as solid waste according to local regulations.

## 14. TRANSPORT INFORMATION

No special requirements. This product is not covered by international regulations on the transport of dangerous goods.

## 15. REGULATORY INFORMATION

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

No labelling is required for this material 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.

### 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

### History:

Date of issue / Date of revision: 03/11/2021

Prepared by: KG

Version: 9

### 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.