

Product Name: FIREFLY® FB180 Ablative Batt
60mm Wall System

Revision Date: 07/09/2023
Version: 1

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

1.1 Product identifier

Product Name: FIREFLY® FB180 Ablative Batt 60mm Wall System

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

Identified uses: High-temperature and fire-resistant insulation slab for firestopping roofs, walls, ceilings and floor.

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

2.3 Other Hazards

Physical / Chemical Hazards:

WARNING: May cause mild skin irritation. May cause respiratory irritation.

Health Hazards:

If dust is generated, 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.

Environmental Hazards:

Not classified. 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:

Rock mineral wool slabs coated with fire-resistant coating.

Hazardous ingredients

Ingredient	CAS No.	Classification According to Reg. (EC) 1278/20228 (CLP)	w/w (%)
Fire resistant coating	Not applicable	Not a hazardous substance	up to 30%
Inert polymer binder derived from starches	-	Not a hazardous substance	up to 30%
Rock mineral wool	-	Not a hazardous substance	up to 30%

4. FIRST AID MEASURES

4.1 Description of first aid measures

Skin: Wash skin thoroughly with soap and water.

Ingestion: If accidentally swallowed wash mouth with water and give large quantity of water to drink. DO NOT induce vomiting.

Eyes: Contact lenses should be removed. Wash in large quantities with clean, fresh water for at least 10 minutes holding eyelids apart. Seek medical advice.

Inhalation: Remove to fresh air. Rinse the throat and clear dust from airways.

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

4.2 Most important symptoms and effects, both acute and delayed

Eye contact: May also cause temporary irritation or inflammation on eye contact.

Ingestion: No symptoms

Skin contact: Prolonged contact may cause irritation, dry skin and redness.

Inhalation: If dust is generated, it could cause minor mechanical irritation to the respiratory tract.

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 product is inherently 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

Hazardous combustion products: fumes and oxides of carbon could be released under high temperature (>250 °C)

5.3 Advice for firefighters

Special fire fighting procedures: In the event of a fire be aware of noxious fumes. Wear suitable respiratory protection equipment.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Minimise airborne dust and avoid eye contact. Wear an approved mask or respirator if dust concentration exceeds local control limits or dust concentration seems high but not known. Refer to Section 8 below for control measures.

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 using a vacuum cleaner or dampen down with water spray prior to brushing 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

Minimise airborne dust and avoid contact with eyes. Wear an approved mask or respirator if dust concentration exceeds local control limits or dust concentration is not known. 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

Protect product from ingress of rain water or snow. Store in a dry conditions and separately from oxidising agents, strong alkaline and strong acidic materials. Ensure stability of products when stacked.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Exposure controls for hazardous components:

Substance	Occupational Exposure limit		Notations
	8 hr LTEL (mgm ⁻³)	15 min STEL (mgm ⁻³)	
Machine-made mineral fibre (MMMF)	5	Not applicable	-
Dust (inhalable)	10	Not applicable	-
Dust (respirable)	4	Not applicable	-

where:

LTEL: Long-term exposure limit – 8 hour time weighted average

STEL Short-term exposure limit – 15 mins time weighted average

8.2 Exposure controls

Engineering controls: Not applicable.

Personal Protection: Personal protective equipment is recommended, especially when material is cut into.

Respiratory: Suitable respiratory protective equipment or a face mask type in accordance with EN 149 FFP1 must be worn if ventilation is insufficient.

Skin/Hand: Wear suitable protective clothing and plastic or rubber gloves.

Eye: Eye protection designed to protect against dust should be worn. Eye protection according to EN 166 is advised.

Hygiene: Wash hands before breaks and immediately after handling product using cold water and soap. Remove contaminated clothing.

Environmental controls

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: Solid panel

Colour: White faces, brown edges

Melting point/Melting range: Mineral Wool >950°C (1742°F)

Boiling point/Boiling range: Not applicable

Odour: Not applicable

Density: 180 kg/m³

Flashpoint: Not applicable

pH: Not applicable

10. STABILITY AND REACTIVITY

10.1 Reactivity

The product is stable and un-reactive under normal conditions of use and storage.

10.2 Chemical stability

The product is stable and un-reactive under normal conditions of use and storage.

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

None expected.

10.6 Hazardous decomposition products

On decomposition of the white coating (>250°C) and fibre binder, formation of fumes of carbon oxides is expected.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects There is no evidence of toxicological effects of the product itself.

Skin corrosion/irritation: May be irritating to skin.

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

Sensitisation: Pre-existing upper respiratory and lung diseases may be aggravated.

Ingestion: May cause discomfort if swallowed. May cause stomach pain.

Aspiration Hazard: No data available

12. ECOLOGICAL INFORMATION

No known harmful effects on the environment.

13. WASTE DISPOSAL

Dispose as solid waste according to local regulations.

14. TRANSPORT INFORMATION

Transport within the users premises:

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

Onwards transport subsequent to purchase:

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

15. REGULATORY INFORMATION

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

Management of Health and Safety at Work Regulations 1999

Personal Protective Equipment at Work (Amendment) Regulations 2022

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: 07/09/2023

Prepared by: MA & KG

Version: 1

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.