Material Safety Data Sheet

Product Name: **FIREFLY**® Span

Revision Date: 26/01/2026
Version: 1.1

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

1.1 Product identifier

Product Name: FIREFLY® Span

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

Identified uses:

A fire-resistant linear joint seal made from foam and intumescent graphite rubber that expands when exposed to heat, preventing the spread of fire, smoke, and sound through construction joints.

Uses advised against:

Any application that involves mechanical processing (cutting, sanding, grinding) without appropriate dust control measures.

1.3 Details of the supplier of the safety data sheet

Address

TBA Protective Technologies Ltd
Unit 3, Transpennine Industrial Estate Gorrels 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 (designated as Non-Hazardous Articles). 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:	P260	Do not breathe dust
	P280	Wear protective gloves/eye protection

2.3 Other Hazards

Physical/Chemical Hazards:

May form combustible dust concentrations in air (during processing/handling). Thermal burn hazard - contact with hot material may cause thermal burns.

Health Hazards:

If dust is generated, it could scratch the eyes and cause minor irritation to the respiratory tract. When heated, the vapour/fumes given off may cause respiratory tract irritation.
Toxic combustion products may be released under fire conditions.

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 product is a manufactured article and not a substance as defined under UK REACH.

3.2 Mixtures
Not applicable - This product is a manufactured article under UK REACH.

Additional Information:
The article consists of cured polymeric materials including polyurethane foam and vulcanised rubber layers containing intumescent graphite. Any hazardous substances present are bound within the solid matrix and are not intended to be released under normal or reasonably foreseeable conditions of use.

4. FIRST AID MEASURES

4.1 Description of First Aid Measures

Skin: Wash immediately with plenty of water. If skin irritation persists, call a physician.
Contact with hot compound or decomposition products can produce burns. Cool skin rapidly with cold water and wash with soap and water.
Ingestion: Do NOT induce vomiting. Call a physician or poison control centre.
Eyes: In the case of contact with your eyes, rinse immediately with plenty of water and seek medical advice.
Inhalation: Provide fresh air. In all cases of doubt, or when symptoms persist, seek medical advice.

Other First Aid Information:
In all cases, if symptoms persists seek medical attention.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed
None under normal use

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

The materials used are inherently flame resistant.

5.1 Extinguishing Media
Suitable Extinguishing Media: All standard firefighting media (water, dry chemical, CO_2 and foam)

5.2 Special Hazards Arising From The Substance or Mixture
Hazardous Combustion Products: Fumes of hydrogen chloride, carbon dioxide, carbon monoxide & further toxic substances.

5.3 Advice for firefighters
Special fire fighting procedures: In the event of a fire be aware of noxious fumes. Wear respiratory protection equipment.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures
Personal precautions, protective equipment and emergency procedures Ensure adequate ventilation. Avoid dust formation. See section 8 for

6.2 Environmental Precautions
Prevent entry into waterways, sewers, basements or confined areas.

6.3 Methods and Material for Containment and Cleaning Up
Collect mechanically (preferably in dry condition), Transfer to suitable containers for recovery or disposal.
Dispose of in accordance with local regulations.

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
Handle as an industrial article.
Avoid dust formation - Avoid cutting, grinding, or sanding without local exhaust ventilation.
Do not get in eyes, on skin, or on clothing. Wear personal protective equipment/face protection.
Do not ingest. If swallowed, then seek immediate medical assistance.
Gloves should be worn when handling rubber compounds.

7.2 Conditions for Safe Storage, Including any Incompatibilities
Store in original wrapping, out of direct sunlight and in a dry location at ambient temperature and humidity.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control Parameters
Not applicable for the article as supplied.
No occupational exposure limits, DNELs, or PNECs have been established for this product in its supplied, finished article form.

Exposure controls For Hazardous Components:

Substance	Occupational Exposure Limit		Work Exposure Limit (WEL)
	8 hr LTEL (mgm^{-3})	15 min STEL (mgm^{-3})	
Rubber Dust	6	N/A	N/A
Rubber Fume	0.6	N/A	N/A
Alumina Tri-hydrate	10 (Inhalable) 4 (Respirable)	N/A	N/A
Airbourne Dusts EH40/2005	10 (Inhalable) 4 (Respirable)	N/A	N/A

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:
Local exhaust ventilation recommended during cutting, grinding, or machining.

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

Respiratory: Not applicable in normal usage conditions.

Skin/Hand: Sensitive individuals may need to wear gloves when handling rubber.
If mechanically cutting material, wear suitable gloves.

Eye: Sensitive individuals may need to wear goggles.
If mechanically cutting material, creating dust particles, it is advisable to use safety glasses with side protection.

Skin and Body Protection: Wear protective work clothing. Personal protective equipment for the body should be selected based on the task being performed and the risks involved (e.g. Gloves when handling material)

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

8.3 User Safety Recommendations
Hot-wire cutting should be avoided, this will release toxic fumes containing isocyanates into the atmosphere. Equipment such as band-knives, slitters, etc should have sharp, smooth edge blades for cutting foam. Saw-tooth type blades will produce dust, but adequate precautions should be taken to avoid a build up to nuisance levels, as this can cause a discomfort to nose and throat.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Solid
Appearance:	Layers of rubber and foam
Colour:	Black/grey
Melting Point/Melting Range:	Not applicable
Boiling Point/Boiling Range:	Not applicable
Odour:	None/slight aromatic
Solubility:	Insoluble in water
Specific Gravity:	Not applicable
Flashpoint:	Not applicable
Auto Ignition Temperature:	Not applicable

10. STABILITY AND REACTIVITY

10.1 Reactivity
No additional information available

10.2 Chemical Stability
The product is stable during normal handling and storage conditions.

10.3 Possibility of Hazardous Reactions
Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to Avoid
Thermal decomposition occurs above 300 °C for rubber layers.

10.5 Incompatible Materials
Strong oxidizing acids and bases will degrade the product.

10.6 Hazardous Decomposition Products
Oxides of carbon and nitrogen, hydrogen chloride, free isocyanate, acetaldehyde, acrylonitrile, polymer fragments, and hydrogen cyanide. Fire retardant foams may generate emissions of hydrogen chloride, hydrogen bromide or phosphoric acid depending on the fire-retardant

11. TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects

Acute Toxicity:	No data available
Skin Corrosion/Irritation:	Prolonged or repeated contact may cause mild irritation.
Serious Eye Damage/Eye Irritation:	Dust generated during cutting or mechanical processing may cause temporary eye irritation.
Respiratory or Skin Sensitisation:	Foam dust – Coarse dust can cause mechanical irritation of the upper respiratory tract when concentrations are above the applicable occupational exposure limit. Airborne dust is evaluated as a nuisance dust.
Germ Cell Mutagenicity:	No data available
Carcinogenicity:	No data available
Reproductive Toxicity:	No data available
STOT - Single Exposure:	No data available
STOT - Repeated Exposure:	No data available
Aspiration Hazard:	Not applicable (solid product).

12. ECOLOGICAL INFORMATION

12.1 Toxicity	Low Toxicity
12.2 Persistence and Degradability	No additional information available
12.3 Bioaccumulative Potential	No additional information available
12.4 Mobility in Soil	In the soil environment, natural bacteria and fungi will aid biodegradation. Chlorofluorocarbons and other auxiliary blowing agents regulated by the Montreal Protocol and its subsequent amendments are not used in the manufacture of FIREFLY®
12.5 Results of PBT and vPvB Assessment	The product does not meet the criteria for PBT (Persistent, Bioaccumulative, Toxic) or vPvB (very Persistent, very Bioaccumulative) according to REACH Annex XIII.
12.6 Other Adverse Effects	No known significant effects or critical hazards.

13. WASTE DISPOSAL

Dispose of as solid waste according to local regulations.

14. TRANSPORT INFORMATION

14.1 UN Number	The product is not classified as dangerous goods.
14.2 UN Proper Shipping Name	N/A
14.3 Transport Hazard Class(es)	N/A
14.4 Packing Group	N/A
14.5 Environmental Hazards	Not classified as environmentally hazardous
14.6 Special Precautions For User	No special precautions required for transport under normal conditions. Avoid mechanical damage that could generate dust. Keep away from open flames and
14.7 Transport in Bulk According to Annex II of MARPOL 73/78 and The IBC Code	N/A

15. REGULATORY INFORMATION

15.1 Safety, Health and Environmental Regulations/Legislation Specific For The Substance or Mixture

This product is a manufactured article as defined under UK REACH Regulation (as amended).

UK REACH (Regulation (EC) No. 1907/2006 as retained in Great Britain):
The product is an article and is not subject to registration. The article does not intentionally release substances under normal or reasonably foreseeable conditions of use.
GB CLP Regulation (Regulation (EC) No. 1272/2008 as retained in Great Britain):
Classification and labelling requirements do not apply to the article as supplied.
Substances of Very High Concern (SVHC):
Based on current information, this article does not contain any substances listed on the UK or EU REACH Candidate List above 0.1% w/w.
Restrictions:
No restrictions under UK REACH Annex XVII apply to this article in its intended industrial and professional uses.
Control of Substances Hazardous to Health (COSHH) Regulations:
COSHH does not apply to the article as supplied.
Environmental Legislation:
The article is not classified as hazardous to the environment.

* Health & Safety Executive Guidance Note EH 40/2005 Workplace Exposure Limits – second edition published 2011.
* EH40/2005: MMMF, Page 23.
* EH40/2005: Para 44, Page 33 (Dust of any kind when present at a concentration in air equal or greater than 10mg.m-3 8-hour TWA of respirable dust).
* IARC Monographs on the evaluation of Carcinogenic Risks to humans – Volume 81 Man Made Vitreous Fibres (Published 2002).
* Health & Safety Executive Guidance Note HSG53 (Fourth edition, published 2013): Respiratory Protective Equipment At Work – A practical
* EC Reach Directive requires a SDS to be supplied for finished articles only in those instances in which the article contain a substance (or substances) of Very High Concern (SVHC) at a content greater than 0.1%.

15.2 Chemical Safety Assessment Not applicable.

16. OTHER INFORMATION

History:

Date of Issue/ Date of revision:	26/01/2026
Date of previous issue:	-
Prepared by:	JM
Version:	1.1

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.