SAFETY DATA SHEET

ENVIROGRAF®

HS054-05-2019

Product Number: 54

IFB1 & IFB1S Fire Barrier Curtain

With Radiant Heat Protection

Description:

A fire barrier curtain offering up to 100 minutes integrity and 79 minutes of radiant heat protection. Grey in colour

Under Regulation 1907/2006 REACH Safety Data Sheets are only required for hazardous substances and mixtures/preparations; Intumescent Systems Ltd is not therefore legally obliged to supply Safety Data Sheets for its articles. Despite this Intumescent Systems Ltd has decided to provide its customers with information regarding the safe use and handling of the products listed above by means of this Safety Data Sheet.

This product comprises of the following materials and therefore is supported by the following Health & Safety Data Sheets:

- *(Appendix 87)* Polyurethane Coated Woven Glass Fabric

*The information contained in this safety data sheet is given in good faith. It is accurate to the best of our knowledge and belief and represents the most up to date information. The information given in this data sheet does not constitute or replace the user's own assessment of workplace risk as required by other health and safety legislation.

HEALTH & SAFETY INFORMATION SHEET
APPENDIX 87
POLYURETHANE COATED WOVEN GLASS FABRIC

Issue 2. September 2018

1. IDENTIFICATION OF THE PREPARATION AND COMPANY

PRODUCT NAME:	Polyurethane Coated Woven Glass Fabric
MANUFACTURER/SUPPLIER:	Envirograf
ADDRESS:	Envirograf House, Barfrestone, Dover, Kent, CT15 7JG
TELEPHONE/FAX/EMAIL:	01304 842555 01304 842666 sales@envirograf.com
EMERGENCY PHONE NUMBER:	01304 842555 (Monday to Friday 8.30 – 5.30)

2. HAZARDS IDENTIFICATION

In a sustained fire situation the coating will burn to give smoke containing carbon monoxide, carbon dioxide and trace amounts (ppm) of hydrocarbons, nitrogen based and halogen based gases.
There are no major health hazards associated with the fabric; however exposure to glass fibres sometimes causes irritation of the skin and less frequently irritation of the eyes, nose or throat.

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3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterisation: Fibrous glass (E-type, continuous filament) compositions consisting principally of oxides of silicon, aluminium, calcium, boron and magnesium, fused in an amorphous vitreous state. Flame retardant aluminium pigmented polyurethane.

Glass fibre does not meet the classification for a 'dangerous substance' according to 67/548/EEC. Glass Fibre carries no CAS registry number and no EPA code designation number. Glass as a generic substance, the E-glass Composition included, has been incorporated in the EINECS under no. 65997-17-3.

4. FIRST-AID MEASURES

Inhalation: In case of inhalation of glass dust particles or fumes from thermal degradation move into fresh air, if irritation persists seek medical attention
Skin Contact: If irritation is a problem then rinse the affected areas with cool water, then wash gently with mild soap. If glass fibre becomes embedded in the skin then seek medical attention
Eye Contact: flush eyes with clear water for at least 15 minutes, if irritation persists seek medical attention

5. FIRE-FIGHTING MEASURES

Glass fibre is inherently non-flammable

Suitable extinguishing media: Water, carbon dioxide, dry powder
Protective equipment for Fire fighters: In a sustained fire, self-contained breathing apparatus and protective clothing should be utilised

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: None
Environmental precautions: None
Method for cleaning up: Dust pan and wet brush

7. HANDLING AND STORAGE

Precautions for handling: No special measures, for personal protection see section 8. Glass fibre has electrical isolation properties and so may give some static
Precautions for storage: Store below 25°C in a dry, well ventilated place

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory protection: None required, if airborne glass fibre concentrations exceed the control limit, respiratory protection for nuisance dust should be provided.
Eye protection: Safety glasses with side shields should be worn.
Hand/Skin protection: Protective gloves, overalls buttoned to fit loosely at the neck and wrists and long trousers may reduce irritation in some operations. Barrier cream may provide further protection from irritation.
Hygiene measures: Wash hands before breaks & at the end of the day. Launder items of clothing contaminated with glass fibre dust separately.

Control limits:	Airborne glass dust – TLV = 5mg/m3 Possible trace retained toluene = 100ppm

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White woven fibres with polyurethane coating both sides
Colour:	Grey/Red
Odour:	None
pH Value:	Not applicable
Melting point (softening):	830° C
Flash point:	Not applicable
Auto ignition temperature:	Not applicable
Explosive properties:	Not applicable
Specific gravity:	2.6g/cm3
Solubility:	Insoluble in water. Glass fibre will disperse, to some extent in organic solvents like styrene, acetone etc.

10. STABILITY AND REACTIVITY

Conditions to avoid: Stable under recommended storage and handling conditions (see section 7)
Material to avoid: -
Hazardous decomposition products: Carbon dioxide, carbon monoxide and trace amounts (ppm) of hydrocarbons, nitrogen based and halogen based gases.

11. TOXICOLOGICAL INFORMATION

Inhalation: The products of thermal decomposition, including carbon dioxide and carbon monoxide may cause dizziness and headache after prolonged low level exposure. Pre-existing upper respiratory and lung disease may be aggravated.
Skin contact: No toxicological effect.
Eye contact: No toxicological effect.

This product is not manufactured using glass fibre with diameters that are classified as respirable (fibres with diameters less than 3.0 microns which are capable of travelling into the body to the trachea, bronchi etc)
All of the fibres in this product have fibre diameters equal to or greater than 4.5 microns, and are therefore not physically capable of travelling beyond the nose and pharynx.

12. ECOLOGICAL INFORMATION

Glass fabrics are not readily biodegradable. No known harmful effects on the environment

13. DISPOSAL CONSIDERATIONS

Waste from residues/unused products: Dispose as solid, non-recyclable waste according to local regulations.
Contaminated packaging: Empty containers should be transported/delivered using a registered waste carrier for local recycling where possible or waste disposal.

14. TRANSPORT INFORMATION

No special precautions or restriction involving transport are known.

15. REGULATORY INFORMATION

Symbols: None

Safety phrases: None

16. OTHER INFORMATION

History

Date of revision 11th September 2018
Reason for revision General review / change of format
Sections revised All sections revised

The information contained in the Health and Safety Data Sheet is provided in accordance with the requirements of the most recent REACH Regulations. The product should not be used for purposes other than those shown 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 EU legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications