COSHH DATA SHEET

ENVIROGRAF®

Product Number: 33

Firoblock Sleeve

Firoblok® sleeves are designed to protect cables and metal/plastic pipes and ventilation trunking passing through fire-rated ceilings, floors, or walls made from block, brick, or concrete, and hollow plasterboard floors and walls. They are flexible, allowing contraction and expansion of water pipes, and give protection from corrosion caused by close contact with cement, cement blocks, plaster, and other corrosive building materials. A silver coloured reinforced covering contains the intumescent material so that it expands inwards and crushes into melting PVC pipes, trunking, ducts, etc in the heat of a fire. They also absorb heat from fire and help prevent metal pipes, services, and armoured cables from overheating. The sleeves are supplied in 100mm, 150mm, 200mm, or 500mm lengths. They can be easily cut with a sharp knife and they should be installed level with the surrounding ceiling, floor, or wall. In the case of a fire, the intumescent material will expand, sealing the gap between the cable or pipe and its surrounding ceiling or wall.

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

- (*Appendix 1)* Intumescent material

*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.

Appendix 1

MULTIGRAF INTUMESCENT MATERIAL

1. IDENTIFICATION OF THE PREPARATION AND COMPANY

PRODUCT NAME:	Multigraf Intumescent Material
MANUFACTURER/SUPPLIER:	Envirograf
ADDRESS:	Envirograf House, Barfrestone, Nr. Dover, Kent, CT15 7JG
TELEPHONE/FAX:	01304 842555 01304 842666
EMERGENCY PHONE NUMBER:	01304 842555

2. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL CONSTITUTION

Mineral Wool Fibre	20-70	%	by	weight
Exfoliating Graphite	20-60	%	by	weight
Organic binder (including adhesive coating)	5.0-30	%	by	weight

3. HAZARDS IDENTIFICATION

Cutting through the material and surface scuffing may release small amounts of airborne fibre, clay and carbon dust which are mechanically irritant to skin, eyes and upper respiratory system.

Based on animal studies, excessive exposure to man made mineral fibre dust may cause lung damage (fibrosis) and tumours.

As with any dust, pre-existing upper respiratory symptoms and lung diseases may be aggravated.

4. FIRST AID MEASURES

SKIN:	Rinse affected areas with water and wash gently with soap. Do not use detergent.
EYES:	Flush eyes with large quantities of water, Have eye bath readily available in areas where eye contact may occur. Seek medical attention if irritation continues.
INGESTION:	Drink plenty of water. Seek medical advice.
INHALATION:	Remove to fresh air, drink water and clear throat and blow nose to evacuate fibre/dust. Seek medical attention.

5. FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA:	Use extinguishing agent suitable for type of surrounding combustible materials. Do not inhale products of combustion.

6. ACCIDENTAL RELEASE MEASURES

Store product in original wrapping until required for use.
Do not allow dust to be wind blown. Do not use compressed air to blow dust or fibres.
Unwanted product should be collected and stored in sealed bags. Dust/fibre should be removed using a suitable vacuum cleaner with HEPA exhaust air filtration and disposal collection bags; used bags to be sealed before disposal. If sweeping is required the area should be damped down with water before brushing

7. HANDLING AND STORAGE

HANDLING:	Keep dust generation to a minimum.
STORAGE:	Store dry and cool. Keep in original wrapping until required for use.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

APPLICABLE OCCUPATIONAL EXPOSURE LIMITS:

MAN MADE MINERAL FIBRE: *ME	2.0 fibres/ml & 5 mg/m; (8 hr TWA)
FINE CARBON DUST:	*OES 3.5 mg/m; (8 hr TWA) and 7 mg/m; (STEL)
	*(UK Health & Safety Executive - OEL EH40/98)
RESPIRATORY PROTECTION:	Wear disposable dust respirator (eg. 3M 8810 or equivalent).
HAND PROTECTION:	Use of gloves is recommended.
EYE PROTECTION:	Wear goggles or safety glasses with side shields. Do not wear contact lenses.
SKIN PROTECTION:	Wear overalls that are loose fitting at the neck and wrists.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Flexible Grey fibrous mat with black speckle
DENSITY:	200 - 500 kg/m;
EXPANSION:	Rapid volumetric expansion occurs when product is heated above 100°C
FLAMMABILITY:	Material will sustain combustion for a short period until organic binder (and SAB coating) is burnt out or resulting expansion self-extinguishes.

10. STABILITY AND REACTIVITY

STABILITY / CONDITIONS TO AVOID:	Stable.
MATERIALS TO AVOID:	Strong oxidizing agents, strong alkalis and hydrofluoric acid.
HAZARDOUS DECOMPOSITION PRODUCTS:	Combustion products are HRO, CO, COR and hydrocarbons.

11. TOXICOLOGICAL INFORMATION

The International Agency for Research on Cancer (IARC) has classified Mineral Wool Fibre as possibly carcinogenic (Group 2B).

12. ECOLOGICAL INFORMATION

This product will remain stable over time with the inorganic components remaining inert.

13. DISPOSAL CONSIDERATIONS

Waste is not classified as a hazardous waste and may be disposed of at a normal licensed industrial waste site. Local regulations should be considered. Waste should be bagged or suitably contained for disposal to prevent any dusts being wind blown during disposal.

14. TRANSPORT INFORMATION

Not regulated for Transport. Ensure that dust is not wind blown during transportation.

15. REGULATORY INFORMATION

LABELLING

DANGER CLASSIFICATION	-
CONTAINS:	-
R PHRASES:	-
S PHRASES:	-
NATIONAL REGULATIONS:	-

16. OTHER INFORMATION

Further information regarding working with man made mineral fibres and measurement techniques may be obtained by referring to Guidance Note EH46 1990 and NDHS59 1998 published by the UK, Health & Safety Executive.

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