



Product Number: 148 Gas Flue Inspection Hatch Insulated Version

Description:

A new inspection hatch with a spring-loaded latch fastener, a hatch cover with a fire protection lining and fire/smoke seals.

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

- Product 91 STB Board
- Preformed Zintec steel plate (*not available*)
- Intumescent Material (*Appendix 1*)
- Foil Tape (*Appendix 8*)
- Sponge Insulation (*Appendix 2*)

*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 DATA SHEET
PRODUCT 91
STB BOARD FOR THE PROTECTION OF STEEL

1. IDENTIFICATION OF THE PREPARATION AND COMPANY

PRODUCT NAME: STB Board for the Protection of Steel
MANUFACTURER/SUPPLIER: Intumescent Systems Ltd
ADDRESS: Envirograf House, Barrestone, Dover, Kent, CT15 7JG
TELEPHONE/FAX/EMAIL: 01304 842555 01304 842666 sales@envirograf.com
EMERGENCY PHONE NUMBER: 01304 842555

2. HAZARDS IDENTIFICATION

Cutting through the material and surface scuffing may release small amounts of airborne fibre and amorphous silica 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. Prolonged exposure to temperatures above 980°C can produce a small percentage of crystalline silica: a probable carcinogen.

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL CONSTITUTION

Synthetic Ceramic Fibre	90-95	%	by	weight
Organic Binder	5-10	%	by	weight

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

Do not allow dust to be wind blown. 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

EXPOSURE CONTROL Man made mineral fibre *MEL 2 fibres/ml & 5mg/m³
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: Creamy/brown paper/board
DENSITY: 180 - 270 kg/m³
FLAMMABILITY: Material will sustain combustion for a short period until organic binder is burnt out.

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Exposure to strong oxidizing agents, strong alkalis and hydrofluoric acid.
MATERIALS TO AVOID: Strong oxidizing agents.
HAZARDOUS DECOMPOSITION PRODUCTS: Combustion products are H₂O, CO, COR and hydrocarbons.

11. TOXICOLOGICAL INFORMATION

N/A

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 windblown 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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HEALTH & SAFETY DATA SHEET
Appendix 1
MULTIGRAF INTUMESCENT MATERIAL

April 2015. Issue 2

1. IDENTIFICATION OF THE PREPARATION AND COMPANY

PRODUCT NAME: Multigraf Intumescent Material
MANUFACTURER/SUPPLIER: Intumescent Systems Ltd
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

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.

3. 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

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 & stored in sealed bags. Dust/fibre should be removed using a suitable vacuum cleaner with HEPA exhaust air filtration & 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 (e.g. 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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HEALTH & SAFETY INFORMATION SHEET
APPENDIX 8
FOIL-ADHESIVE TAPE

23rd April 2015 ISSUE 2

1. IDENTIFICATION OF THE PREPARATION AND COMPANY

PRODUCT NAME: Foil-Adhesive Tape
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

This product is considered generally safe and inert and no hazards are anticipated provided good standards of industrial hygiene and good housekeeping are observed

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical description: contains no dangerous ingredients or impurities
Interleaved aluminium foil tape with rubber/resin adhesive

4. FIRST AID MEASURES

Eye Contact: no need for first aid is anticipated
Skin Contact: no need for first aid is anticipated
Inhalation: the slight odour from the adhesive is not considered dangerous or an irritant – seek fresh air if necessary

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Carbon dioxide, dry chemical. Note: water should not be used.
Protective equipment for fire-fighters: Self-contained respiratory equipment should be worn

6. ACCIDENTAL RELEASE MEASURES

Not applicable

7. HANDLING AND STORAGE

Due regard should be given to the possibility of static build up within the rolls and their particular applications especially where solvents are used or stored It is recommended that these products be stored out of direct sunlight, in a dry environment away from moisture at temperatures between 5°C and 30°C

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Finger damage is always a risk when aluminum foil and paper products are decoiled or applied. The use of lightweight leather gloves is recommended. Discarded release paper is a slip hazard and just not be left on any floor space but disposed of together with spent cores into suitable waste containers.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: solid
Colour: silver
Boiling point: not applicable
Vapour pressure: not applicable
Solubility in water: the adhesive is not soluble in water
Viscosity: not applicable
Melting point: the adhesive with soften at around 70°C
Flash point: 200°C

10. STABILITY AND REACTIVITY

Stable under normal conditions of handling and storage

11. TOXICOLOGICAL INFORMATION

Not applicable

12. ECOLOGICAL INFORMATION

Not applicable

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations at approved sites.

14. TRANSPORT INFORMATION

Not regulated for transport

15. REGULATORY INFORMATION

Labelling
Danger classification -
Contains: -
R phrases: -
S phrases: -
National regulations: -

16. OTHER INFORMATION

The information contained in the Health and Safety Data Sheet is provided in accordance with the requirements of the CHIP Regulations. The product should not be used for purposes other than those shown in section 1 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 national 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.

HEALTH & SAFETY INFORMATION SHEET
APPENDIX 2
FIRE PROOF SPONGE

Issue 2. December 2014

1. IDENTIFICATION OF THE PREPARATION AND COMPANY

PRODUCT NAME:	Fire Proof Sponge
MANUFACTURER/SUPPLIER:	Envirograf
ADDRESS:	Envirograf House, Barrestone, 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

Not known to be a skin irritant
Dust can cause eye irritation
Dust generated from such operations as continuous grinding or buffing can great nuisance particles, this can cause irritation to the respiratory tract or even lung infection, airway obstruction and fibrosis
The Control of Substances Hazardous to Health Regulations (COSHH), includes dust of any kind when present at a concentration in air equal to or greater than 10mg.m³ 8-hour TWA of inhalable dust or 4mg.m³ 8-hour TWA of respirable dust

3. COMPOSITION / INFORMATION ON INGREDIENTS

Poly-addition products of isocyanates, polyols and water. Controlled by catalysts, stabilizers and other substances resulting in cellular polyurethane foams which are then post treated with flame retardants, particulate fillers and polymeric binding agent. Fire proof sponge as supplied does not contain any residual di-isocyanate.

4. FIRST AID MEASURES

INHALATION: No adverse effects anticipated
SKIN CONTACT: Wash off any foam dust
EYE CONTACT: In case of dust particle contact with eyes, rinse immediately with plenty of water until irritation subsides. If necessary seek medical advice
INGESTION: Consult physician if coughing, discomfort or obstruction of air passage occurs.

5. FIRE-FIGHTING MEASURES

GENERAL HAZARD: Under extreme temperatures the sponge will decompose and emit toxic gases. In the event of a fire, evacuate premises immediately and call the Fire Brigade. Avoid inhalation of smoke and gases.
EXTINGUISHING MEDIA: To suit local surroundings (e.g. water, carbon dioxide, foam, dry powder)
SPECIAL EXPOSURE HAZARDS: Decomposition products released in a fire, (e.g. carbon black, carbon monoxide, carbon dioxide, oxides of nitrogen, hydrogen cyanide), should be considered toxic if inhaled

6. ACCIDENTAL RELEASE MEASURES

METHODS FOR CLEANING UP: Pick up and sweep up as for any other inert material
ENVIRONMENTAL CONSIDERATIONS: Do not allow to get into waste water or waterways

7. HANDLING AND STORAGE

ADVICE ON SAFE HANDLING: Handle in accordance with good hygiene and safety practice

STORAGE CONDITIONS: No special conditions required, but ideally to be stored in dry conditions

FURTHER INFORMATION: Keep away from sparks, naked lights, open flames, exposed electrical elements or other ignition sources. Smoking should be forbidden in areas where material is stored or processed

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

PROTECTIVE EQUIPMENT: Unless exposure to foam dust is anticipated, dust masks, goggles and gloves are not required

VENTILATION: Mechanical ventilation should be considered in operations that generate large quantities of foam dust

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical form:	Cellular foam.	
Colour:	Dark Grey	
Odour:	Faint, characteristic	
General Flammability:	BS EN 13501-1	Euroclass B-s1, d1
	Fire Propagation Index	<12 BS476 pt 6
	Surface Spread of Flame	Class "1" BS476 pt 7
	Building Regs. 1991 (Fire Safety)	Class "0" BS476 pt 6 & pt 7
	Operating Temperature	-30 to 100°C
	UL94 Classification	94 V-0 UL 94
	Surface Burning Behaviour	Class A ASTM E84-95
Density:	>90 kg/M3 BS EN ISO 845	

10. STABILITY AND REACTIVITY

STABILITY: Stable under normal conditions of handling

11. TOXICOLOGICAL INFORMATION

GENERAL INFORMATION: No harmful effects have been reported to date

12. ECOLOGICAL INFORMATION

DEGRADABILITY: Almost inert

13. DISPOSAL CONSIDERATIONS

ADVICE ON DISPOSAL: Under EU Environmental Regulations and Directives, there are no special requirements for disposal of Fire Proof Sponge

FURTHER INFORMATION: Various methods are available for the recycling of uncontaminated cellular foam including crumbed or shredded or rebounded to produce reconstituted foam

14. TRANSPORT INFORMATION

Not regulated for transport

15. REGULATORY INFORMATION

Fire Proof Sponge is an “article” not a chemical. It is not classified as dangerous under the Chemicals (Hazard Information and Packaging for Supply) Regulations (CHIP), Classification, Labelling and Packaging of Chemical Regulations (CPL) & the UN’s Globally Harmonised System (GHS), and therefore does not require a Safety Data Sheet. It is exempt from the requirements to register under REACH. As a service to our customers, however Intumescent Systems Ltd has produced this data sheet.

16. OTHER INFORMATION

The information contained in the Health and Safety Data Sheet is provided in accordance with the requirements of the CHIP Regulations. The product should not be used for purposes other than those shown in section 1 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 national 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.
