

SAFETY DATA SHEET



ENVIROGRAF®

HS055-10-2018

Product Number: 55

Ventilated Wall Barrier System WBS & VWBS

Description:

The Envirograf® WBS Cavity Barrier is a flexible fire proof sponge which is fixed in a horizontal or vertical position in a brick/block cavity. The VWBS is a ventilated option with intumescent fitted which, in the event of a fire will expand filling the holes stopping the spread of fire and smoke. **NOTE: VWBS is for horizontal use only.**

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 Health & Safety Data Sheets:

- (Appendix 2) Fireproof Sponge
- (Appendix 66) Graphite Intumescent Material (Rubber) – VWBS only

*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 2
FIRE PROOF SPONGE

Issue 3, September 2018

1. IDENTIFICATION OF THE PREPARATION AND COMPANY

PRODUCT NAME:	Fire Proof Sponge
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

Fireproof 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, Envirograf has produced this Product Information Sheet

Classification (EC 1272/2008) :Not applicable
Classification (1999/45/EC) :Not applicable
Label Elements :Not applicable
Signal Word :Not applicable
Hazard Statements :Not applicable
Precautionary Statements :Not applicable
Supplemental information :Not applicable.
Other hazards :Not applicable

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	CAS No	EC No	REACH Reg No	Classification	Conc'n %
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

Further information: 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, and polymeric binding agent.

4. FIRST AID MEASURES

Description of first aid measures SEE BELOW

Inhalation: Consult physician if coughing, discomfort, or obstruction of air passage occurs.

Skin contact: Wash off any foam dust.

Eye contact: In case of 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.

Most important symptoms and effects, both acute and delayed: None expected.

Indication of any immediate medical attention and special treatment needed: None expected

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)

Extinguishing media not to be used: None reported

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

Personal precautions, protective equipment and emergency procedures: Remove all sources of ignition. No Smoking

Methods and materials for containment and cleaning up: Pick up and sweep up as for any other inert material

Environmental Precautions: Do not allow to get into waste water or waterways.

Reference to other sections: Not Applicable

7. HANDLING AND STORAGE

Precautions for safe handling: Handle in accordance with good hygiene and safety practice.

Conditions for safe storage including any incompatibilities: No special conditions required, but ideally to be stored in dry conditions

Specific end use(s): Industrial and professional

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

Control parameters

Personal protection: Wear personal protective equipment appropriate to the task -see below.

Eye protection: See below.

Skin protection: See below

Respiratory protection: See below.

Other personal protection: Unless exposure to foam dust is anticipated, dust masks, goggles and gloves are not required. Mechanical ventilation should be considered in operations that generate large quantities of foam dust

Environmental exposure controls: Do not allow to get into waste water or waterways.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical form:	Cellular foam.	
Colour:	Dark Grey	
Odour:	Faint, characteristic	
Odour Threshold:	Not available	
Molecular weight:	Not applicable	
Molecular formula:	Not applicable	
pH:	Not applicable	
Melting pt/range:	Not applicable	
Flash point:	Not applicable	
Relative evaporation rate:	Not applicable	
General Flammability:	BS EN 13501-1 Fire Propagation Index Surface Spread of Flame Building Regs. 1991 (Fire Safety)	Euroclass B-s1, d1 <12 BS476 pt 6 Class "1" BS476 pt 7 Class "0" BS476 pt 6 & pt 7
	Operating Temperature UL94 Classification Surface Burning Behaviour	-30 to 100°C 94 V-0 UL 94 Class A ASTM E84-95
Explosive limits:	Not applicable	
Vapour pressure:	Not applicable	
Vapour density:	Not applicable	
Density:	>90 kg/M3 BS EN ISO 845	
Partition coefficient (log P or log K n-octanol water):	Not applicable	
Decomposition Temp.:	Not applicable	
Viscosity:	Not applicable	
Explosive properties:	Not applicable, based on structure	
Oxidising properties:	Not applicable, based on structure	
Other information:	Not applicable	

10. STABILITY AND REACTIVITY

Reactivity: Almost inert

Chemical stability: Stable under normal conditions of handling and storage.

Possibility of hazardous reactions: None reported.

Incompatible materials: Not applicable, based on structure.

Hazardous decomposition products: 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.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects: No data available for the product.

Acute toxicity – oral: No data available for the product.

Acute toxicity – inhalation: No data available for the product.

Acute toxicity – dermal: No data available for the product.

Skin corrosion/irritation: Repeated exposure may cause skin dryness.

Serious eye damage/irritation: May cause eye irritation in dust form.

Respiratory sensitisation: No data available for the product.

Skin sensitisation: No data available for the product.

CMR effects: No data available for the product.

Single dose toxicity: No data available for the product

Repeated dose toxicity: No data available for the product.

Aspiration hazard: None reported.

Adverse health effects and symptoms: No data are available for the product..

Other information None .

12. ECOLOGICAL INFORMATION

Toxicity: No data available for product.

Fish, acute: No data available for product.

Fish, chronic: No data available for product

Invertebrates Algae: No data available for product.

Soil organisms: No data available for product.

Micro-organisms: No data available for product.

Other organisms: No data available for product.

Persistence and degradability: No data available for product.

Bioaccumulative potential: No data available for product.

Mobility in soil No data available for product.

Results of PBT and vPvB assessment: Not classified.

Other adverse effects: None reported.

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

Land transport (ADR/RID)

UN number: Not applicable

UN proper shipping name: Not applicable

Transport hazard class(es): Not applicable

Packing group: Not applicable

Environmental hazards: Not applicable

Special precautions for user: None reported.

Emergency action code Not applicable

Hazard Identification Number: Not applicable

Marine transport (IMDG)**UN number:** Not applicable**UN proper shipping name:** Not applicable**Transport hazard class(es):** Not applicable**Packing group:** Not applicable**Environmental hazards:** Not applicable**Special precautions for user:** None reported.**Air transport (ICAO/IATA)****UN number:** Not applicable**UN proper shipping name:** Not applicable**Transport hazard class(es):** Not applicable**Packing group:** Not applicable**Environmental hazards:** Not applicable**Special precautions for user:** None reported.

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for product: Not applicable**Chemical Safety Assessment:** Not applicable

16. OTHER INFORMATION

Date of revision 6th September 2018**Reason for revision** General review / change of format**Sections revised** All sections revised**Key to abbreviations and acronyms:**

1999/45/EC EU Dangerous Preparations Directive

ACGIH American Conference of Governmental Industrial Hygienists, Inc.

ADR European agreement governing the international carriage of dangerous goods by road

CAS No Chemical Abstracts Service Registry Number

CHIP 4 Chemicals (Hazard Information and Packaging) for Supply Regulations 2009

CLP Classification, Labelling and Packaging Regulation (EC) 1272/2008

CMR Carcinogen, Mutagen, Reprotoxin

DGEAC Dangerous Goods Emergency Action Code List 2009

EC No European Inventory of Chemical Substances number

ECHA European Chemicals Agency

EH40 (2005) HSE's list of Workplace Exposure Limits, as updated and amended

GHS Globally Harmonised System for classification and labelling chemicals

REACH Registration, Evaluation and Authorisation of Chemicals Regulation (EC) 1907/2006

RTECS Registry of Toxic Effects of Chemical Substances

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.

HEALTH & SAFETY INFORMATION SHEET
APPENDIX 66
GRAPHITE INTUMESCENT MATERIAL (RUBBER)

Version Number: 1.0
Revision Date: 22/06/2015

1. IDENTIFICATION OF THE PREPARATION AND COMPANY

PRODUCT NAME: Graphite Intumescent Material (Rubber)
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 mixture has not been evaluated as a whole. Information provided on the health effects of this product is based on individual components. All ingredients are bound and potential for hazardous as shipped is minimal. However, some vapours may be released upon heating and the end user (fabricator) must take the necessary precautions (mechanical ventilation, respiratory protection etc.) to protect employees from exposure.

POTENTIAL HEALTH EFFECTS

Routes of Exposure: Inhalation, Ingestion, Skin Contact

Acute Exposure

Inhalation: Particulates, like other inert materials can be mechanically irritating

Ingestion: May be harmful if swallowed

Eyes: Particulates, like other inert materials can be mechanically irritating

Skin: Experience shows no unusual dermatitis hazard from routine handling

Chronic Exposure: Refer to section 11 for Toxicological Information

Medical Conditions Aggravated by Exposure: None known

3. COMPOSITION/INFORMATION ON INGREDIENTS

Contains no reportable hazardous or complex substances

Main Components	CAS-No
Intumescent graphite	7440-440-0
Ethylene Propylene Diene Terpolymer	25038-36-2
Styrene Butadiene	9003-55-8
Severely Solvent Refined Residuum	64742-01-4
Aluminium Hydroxide	21645-51-2

4. FIRST AID MEASURES

Inhalation: Move to fresh air in case of accidental inhalation of fumes from overheating or combustion. Where symptoms persist or in all cases of doubt seek medical advice

Ingestion: Do not induce vomiting without medical advice. Where symptoms persist or in all cases of doubt seek medical advice.

Eyes: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If irritation persists, seek medical attention.

Skin: Wash off with soap & plenty of water. If skin irritation persists seek medical attention

5. FIRE-FIGHTING MEASURES

Flash point: Not applicable

Flammable Limits

Upper explosion limit: Not applicable

Lower explosion limit: Not applicable

Auto ignition temperature: Not applicable

Suitable extinguishing media: Water spray, Dry powder, Foam, Carbon Dioxide (CO₂)

Special Fire Fighting Procedures: Full-face self-contained breathing apparatus (SCBA) used in positive pressure mode should be worn to prevent inhalation of airborne contaminants.

Unusual Fire/Explosion Hazards: Carbon Dioxide (CO₂), Carbon Monoxide (CO), oxides of Nitrogen (NO_x), other hazardous materials and smoke are all possible.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear appropriate personal protection during cleanup, such as impervious gloves, boots and coveralls.

Environmental precautions: Should not be released into the environment. The product should not be allowed to enter drains, water courses or the soil.

Methods for cleaning up: Clean up promptly by sweeping or vacuum. Package all material in plastic, cardboard or metal containers for disposal. Refer to Section 13 of this MSDS for proper disposal methods.

7. HANDLING AND STORAGE

Personal precautions: Wear appropriate personal protection during cleanup, such as impervious gloves, boots and coveralls.

Storage: Store in the original packaging to prevent contamination, preferably in a cool dark place

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory protection: No personal respiratory protective equipment normally required when handling the product itself. See "Engineering Measures" section below for precautions to be taken when heating or processing this material.

Eye/Face protection: Safety glasses with side-shields

Hand protection: Protective gloves

Skin and body protection: Long sleeved clothing

General Hygiene: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of the day

Engineering measures: Heat only in areas with appropriate exhaust ventilation. Adequate ventilation and/or appropriate respiratory protection may also be necessary to minimize employee exposure to processing vapours

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Solid	Evaporation rate:	Not applicable
Appearance:	Sheet, Strip, Slab	Specific Gravity:	Not determined
Colour:	Grey/Black	Bulk Density:	Not established
Odour:	Characteristic Rubber Odour	Vapour pressure:	Not applicable
Melting point/range:	Not determined	Vapour density:	Not applicable
Boiling point:	Not determined	pH:	Not applicable
Water solubility:	Insoluble		

10. STABILITY AND REACTIVITY

Stability: Stable

Hazardous Polymerisation: Will not occur

Conditions to avoid: Keep away from oxidizing agents and open flame. To avoid thermal decomposition do not overheat.

Incompatible materials: Incompatibly with strong acids and oxidizing agents

Hazardous decomposition products: Carbon Dioxide (CO₂). Carbon Monoxide (CO), oxides of Nitrogen (NO_x), other hazardous materials and smoke are all possible

11. TOXICOLOGICAL INFORMATION

This mixture has not been evaluated as a whole for health effects and no specific toxicological data is available. However, the mixture does not contain any known toxic ingredients.

See section 8 for Exposure Control/Personal Protection

12. ECOLOGICAL INFORMATION

Persistence and degradability: Not readily biodegradable.

Environmental Toxicity: Chemicals are not readily available as they are bound within the polymer matrix

Bioaccumulation Potential: Chemicals are not readily available as they are bound within the polymer matrix

Additional Advice: Not applicable

13. DISPOSAL CONSIDERATIONS

Product: Where possible recycling is preferred to disposal or incineration. The generator of waste material has the responsibility for proper waste classification, transportation and disposal in accordance with applicable federal, state/provincial and local regulations.

Contaminated packaging: Where possible recycling is preferred to disposal or incineration. The generator of waste material has the responsibility for proper waste classification, transportation and disposal in accordance with applicable federal, state/provincial and local regulations.

14. TRANSPORT INFORMATION

Not regulated for transport by Land, Sea or Air

15. REGULATORY INFORMATION

This material is not dangerous as defined by EU Dangerous Substances/Preparations Directives

EU LABELING: Not regulated according to EC Directives.

16. OTHER INFORMATION

The information provided in this safety data sheet is correct to the best of our knowledge, at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.
