

# SAFETY DATA SHEET



**ENVIROGRAF®**

HS008-08-2019

Product Number: 8

## Envirobrick – Intumescent Fire Brick and Seal

### **Description:**

Temporary or permanent fire protection solution for sealing around pipes, cable trays and cables in wall, floor or ceiling openings. Made from fire resistant sponge with intumescent. Dust and fibre free. Easy to install. In a fire the sponge centre will stop the fire and smoke penetration and the intumescent, which is rubberised, expands holding the blocks together and sealing off the opening

*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 the following materials and therefore is supported by Health & Safety Data Sheets:

- (Appendix 2) Fire Proof Sponge
- (Appendix 66 )Graphite Intumescent Material (Rubber)
- (Appendix 15) LVFR

\*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

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**1. IDENTIFICATION OF THE PREPARATION AND COMPANY**

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<b>PRODUCT NAME:</b>	Fire Proof Sponge
<b>MANUFACTURER/SUPPLIER:</b>	Envirograf
<b>ADDRESS:</b>	Envirograf House, Barfrestone, Dover, Kent, CT15 7JG
<b>TELEPHONE/FAX/EMAIL:</b>	01304 842555    01304 842666    sales@envirograf.com
<b>EMERGENCY PHONE NUMBER:</b>	01304 842555 (Monday to Friday 8.30 – 5.30)

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**2. HAZARDS IDENTIFICATION**

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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

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**3. COMPOSITION / INFORMATION ON INGREDIENTS**

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<b>Chemical name</b>	<b>CAS No</b>	<b>EC No</b>	<b>REACH Reg No</b>	<b>Classification</b>	<b>Conc'n %</b>
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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**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.

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**4. FIRST AID MEASURES**

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**Description of first aid measures**

**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

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**5. FIRE-FIGHTING MEASURES**

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**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

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## 6. ACCIDENTAL RELEASE MEASURES

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**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

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## 7. HANDLING AND STORAGE

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**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

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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**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.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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<b>Physical form:</b>	Cellular foam.	
<b>Colour:</b>	Dark Grey	
<b>Odour:</b>	Faint, characteristic	
<b>Odour Threshold:</b>	Not available	
<b>Molecular weight:</b>	Not applicable	
<b>Molecular formula:</b>	Not applicable	
<b>pH:</b>	Not applicable	
<b>Melting pt/range:</b>	Not applicable	
<b>Flash point:</b>	Not applicable	
<b>Relative evaporation rate:</b>	Not applicable	
<b>General Flammability:</b>	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
<b>Explosive limits:</b>	Not applicable	
<b>Vapour pressure:</b>	Not applicable	
<b>Vapour density:</b>	Not applicable	
<b>Density:</b>	>90 kg/M3 BS EN ISO 845	
<b>Partition coefficient (log P or log K n-octanol water):</b>	Not applicable	
<b>Decomposition Temp.:</b>	Not applicable	

**Viscosity:** Not applicable  
**Explosive properties:** Not applicable, based on structure  
**Oxidising properties:** Not applicable, based on structure  
**Other information:** Not applicable

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## 10. STABILITY AND REACTIVITY

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**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.

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## 11. TOXICOLOGICAL INFORMATION

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**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 .

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## 12. ECOLOGICAL INFORMATION

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**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.

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## 13. DISPOSAL CONSIDERATIONS

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**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

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## 14. TRANSPORT INFORMATION

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### 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.

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## 15. REGULATORY INFORMATION

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

**Chemical Safety Assessment:** Not applicable

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## 16. OTHER INFORMATION

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**Date of revision** 6<sup>th</sup> 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)*

Issue 2. 13<sup>th</sup> May 2015

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**1. IDENTIFICATION OF THE PREPARATION AND COMPANY**

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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)

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**2. HAZARDS IDENTIFICATION**

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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

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**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 Residuuum	64742-01-4
Aluminium Hydroxide	21645-51-2

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**4. FIRST AID MEASURES**

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**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

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## 5. FIRE-FIGHTING MEASURES

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**Flash point:** Not applicable

**Flammable Limits**

**Upper explosion limit:** Not applicable

**Lower explosion limit:** Not applicable

**Autoignition temperature:** Not applicable

**Suitable extinguishing media:** Water spray, Dry powder, Foam, Carbon Dioxide (CO<sub>2</sub>)

**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 (CO<sub>2</sub>), Carbon Monoxide (CO), oxides of Nitrogen (NO<sub>x</sub>), other hazardous materials and smoke are all possible.

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## 6. ACCIDENTAL RELEASE MEASURES

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**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.

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## 7. HANDLING AND STORAGE

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**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

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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**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

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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**Form:** Solid

**Appearance:** Sheet, Strip, Slab

**Colour:** Grey/Black

**Odour:** Characteristic Rubber Odour

**Melting point/range:** Not determined

**Boiling point:** Not determined

**Water solubility:** Insoluble

**Evaporation rate:** Not applicable

**Specific Gravity:** Not determined

**Bulk Density:** Not established

**Vapour pressure:** Not applicable

**Vapour density:** Not applicable

**pH:** Not applicable

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## 10. STABILITY AND REACTIVITY

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**Stability:** Stable under normal conditions

**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 (CO<sub>2</sub>), Carbon Monoxide (CO), oxides of Nitrogen (NO<sub>x</sub>), other hazardous materials and smoke are all possible

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## 11. TOXICOLOGICAL INFORMATION

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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

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## 12. ECOLOGICAL INFORMATION

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**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

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## 13. DISPOSAL CONSIDERATIONS

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**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.

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## 14. TRANSPORT INFORMATION

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Not regulated for transport by Land, Sea or Air

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## 15. REGULATORY INFORMATION

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

EU LABELING: Not regulated according to EC Directives.

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## 16. OTHER INFORMATION

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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.



**HEALTH & SAFETY INFORMATION SHEET**  
**APPENDIX 15**  
*LVFR*

October 2018. ISSUE 3

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**1. IDENTIFICATION OF THE PREPARATION AND COMPANY**

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**PRODUCT NAME:** LVFR  
**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)

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**2. HAZARDS IDENTIFICATION**

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**HAZARD SYMBOL:** EUH208 May produce allergic reaction



**HEALTH EFFECTS:**

**SKIN:** May cause slight irritation on prolonged / repeated contact.

**EYES:** May cause some irritation.

**INHALATION:** No hazard under normal conditions of use.

**INGESTION:** Low toxicity.

**PHYSICAL/CHEMICAL EFFECTS:** Not applicable.

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**3. COMPOSITION / INFORMATION ON INGREDIENTS**

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**CHEMICAL CHARACTERIZATION:** Aqueous polymer coating for exterior surfaces.

Chemical Name	CAS No.	EC No.	%	Classification
2-Methylisothiazol-3(2H)-one	2682-20-4		<0.00006%	H330/H318/H411/H317
Pyrithione Zinc	13463-41-7		<0.00006%	H301/H330/H318/H400/H410
1,2-benzisothiazol-3(2H)-one	2634-33-5		<0.00006%	H330/H318/H400/H411/H302/H315/H317

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**4. FIRST AID MEASURES**

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**SKIN CONTACT:** Remove contaminated clothing and wash contaminated skin with soap and water.

**EYE CONTACT:** Wash immediately with water for 15 minutes. If irritation persists seek medical advice.

**INHALATION:** Remove the casualty to fresh air.

**INGESTION:** Rinse out mouth with water and if conscious drink plenty of water. Seek medical attention.

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**5. FIRE-FIGHTING MEASURES**

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**EXTINGUISHING MEDIA:** Foam, carbon dioxide, powder, and water spray.

**EXTINGUISHING MEDIA WHICH MUST NOT BE USED FOR SAFETY REASONS:** None known

**SPECIAL EXPOSURE HAZARDS:** None known.

**SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS:** Chemical protection suit / gloves / boots and self-contained breathing apparatus.

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## 6. ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS:** Use personal protection equipment.

**ENVIRONMENTAL PRECAUTIONS:** Do not dispose of into surface water or sanitary sewer system.

**METHODS FOR CLEANING UP:** Scrape up excess and dispose of at an approved site.

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## 7. HANDLING AND STORAGE

**HANDLING PRECAUTIONS:** Not applicable.

**STORAGE CONDITIONS:** Store in original closed containers between + 5°C and + 30°C in dry conditions. Avoid extremes of temperature.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**CONTROL PARAMETERS:** Refer to current edition of HSE Guidance Note EH40 Occupational Exposure Limits (UK)

**ENGINEERING MEASURES:** Not applicable.

**PERSONAL PROTECTION EQUIPMENT:**

**RESPIRATORY PROTECTION:** Mask where appropriate.

**HAND PROTECTION:** Gloves.

**EYE PROTECTION:** Goggles.

**SKIN AND BODY PROTECTION:** Wearing of closed work clothing is recommended.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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<b>Colour</b>	White, Red or Yellow.
<b>Form</b>	Shear thinning paste.
<b>Odour</b>	Low odour.
<b>pH as supplied</b>	Approximately 6.5–8.0
<b>Boiling point/range</b>	Not determined.
<b>Melting point/range</b>	Not applicable.
<b>Flash point</b>	Not applicable.
<b>Flammability (solid, gas)</b>	Not self-igniting.
<b>Auto ignition temperature</b>	Not applicable.
<b>Explosive properties</b>	Not applicable.
<b>Oxidizing properties</b>	Not applicable.
<b>Vapour pressure</b>	Not applicable.
<b>Specific Gravity</b>	1.26 to 1.30
<b>Solubility:</b>	
<b>Water solubility</b>	Miscible.
<b>Partition coefficient (n-octanol/water)</b>	Not applicable.

**Other data**

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## 10. STABILITY AND REACTIVITY

**STABILITY:** Stable under normal conditions.

**CONDITIONS TO AVOID:** Avoid extremes of temperature especially frost and freezing conditions.

**MATERIALS TO AVOID:** None, under normal conditions of use.

**HAZARDOUS DECOMPOSITION PRODUCTS:** No decomposition if stored and applied as directed.

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## 11. TOXICOLOGICAL INFORMATION

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Not applicable

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## 12. ECOLOGICAL INFORMATION

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Not applicable

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## 13. DISPOSAL CONSIDERATIONS

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Dispose of in accordance with local regulations at approved sites.

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## 14. TRANSPORT INFORMATION

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<b>UK ROAD/RAIL</b>	Not applicable. None hazardous.
<b>IMDG</b>	Not applicable. None hazardous.
<b>ICAO</b>	Not applicable. None hazardous.
<b>ADR</b>	Not applicable. None hazardous.

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## 15. REGULATORY INFORMATION

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**Supply classification:**  
**Hazard symbol(s)** EUH208 May produce allergic reaction

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## 16. OTHER INFORMATION

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**Recommended use** Coating with fire retardant / intumescent properties.  
**Further information** Consult technical data sheet.

### History

<b>Date of printing</b>	20 August 2019
<b>Date of issue</b>	October 2018
<b>Version</b>	3
<b>Prepared by</b>	Intumescent Systems Limited

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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. The information given in this safety data sheet is meant to be a description of the safety requirements for our product. It is not to be considered a guarantee of the product's properties.