SAFETY DATA SHEET

ENVIROGRAF®

HS030 (Rubber)-11-2019

Product Number: 30

Intumescent Gaskets (Rubber)

Description:

A Graphite filled elastomeric compound containing flame retardants which is flexible in order to meet the needs of intumescent requirements. The material is dark
grey/ black in colour and is available in various dimensions.

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 66)* *Graphite Intumescent Material (Rubber)*

*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 66
GRAPHITE INTUMESCENT MATERIAL (RUBBER)

Issue 2. 13th May 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 orin 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
Autoignition 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 (NOx), 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 (NOx)**,** 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