

SAFETY DATA SHEET



ENVIROGRAF®

HS010-02-2020

Product Number: 10 CAG Intumescent Discs for Cables & Pipes

Description:

Intumescent discs with short slits radiating from the centre to allow easy fitting around cables and copper / plastic / steel pipes to give fire protection. Double sided braided tape on the reverse gives full adhesion.

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 1) – Multigraf Intumescent Material
- (Appendix 51) – Double Sided Braided Tape
- (Appendix 55) – Laminate Sheeting

*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
APPENDIX 1
MULTIGRAF INTUMESCENT MATERIAL

Issue 3. July 2018

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

HAZARD STATEMENTS:

1. None for the non-woven products (manufactured articles) covered by this MSDS
2. None for dust and fibres released during handling

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.

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

Under the European chemicals Regulation 1907/2006 REACH this product is considered to be an article. These materials do not contain any substances of very high concern or substances intended to be released under normal foreseeable conditions of use.

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 non-woven products.

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 Material Safety Data Sheet

3. COMPOSITION/INFORMATION ON INGREDIENTS

COMPOSITION:

Substance	CAS / EC No	% by weight	Classification and labelling Regulation EC 1272/2008	Classification and labelling Directive 67/548/EEC
Mineral Wool*	287922-11-6	20 – 85	Not Classified	Not Classified
Exfoliating Graphite	7782-42-5/231-995-3	4.0 – 60	Not Classified	Not Classified
Polymeric Binder and Self Adhesive coating	N/A - polymer	5.0 - 30	Not Classified	Not Classified

* Man-made vitreous silicate fibres of random orientation with alkaline oxide and alkali earth oxides (Na₂O + K₂O+CaO+MgO+BaO) content greater than 18% by weight and fulfilling one of the Note Q conditions for increased bio-solubility.

Mineral wool fibres satisfying the Note Q conditions for increased bio-solubility are not classified as carcinogenic according to Directive 97/69/EC and Regulation EC 1272/2008 (page332 of the JOCE L353 of 31 Dec 2008)

Self-adhesive products are supplied faced on one side with a Kraft release paper.

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.

Do not use compressed air to remove dust or fibres from equipment

Dust/fibre should be removed using a suitable vacuum cleaner with HEPA exhaust air filtration.

The collected deposits and used vacuum cleaner bags should be sealed into poly-bags before disposal.

If sweeping is required the area should be thoroughly damped down with water before sweeping commences to prevent dust and fibres becoming airborne during sweeping

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: from HSE EH40/2005 – second edition 2011

MACHINE MADE MINERAL FIBRE:

(excluding Refractory Ceramic Fibre and Special Purpose Fibres): 2.0 fibres/ml & 5 mg/m; (8 hr TWA)

FINE CARBON DUST: 3.5 mg/m; (8 hr TWA) and 7 mg/m; (15 minute reference))

RESPIRATORY PROTECTION: Use local ventilation systems where available. If workplace exposures exceed the limits wear disposable dust respirator to EN149:2001 FFP2 minimum

HAND PROTECTION: Use of disposable nitrile rubber 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/m³

EXPANSION: Rapid volumetric expansion occurs when product is heated above 200°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: Decomposition of the polymeric binder will occur at temperature above 200°C releasing smoke, H₂O, CO, CO₂ and hydrocarbons. When heated above 250°C the graphite will expand resulting in a thermally insulation char.

HAZARDOUS POLYMERISATION: Will not occur

11. TOXICOLOGICAL INFORMATION

MINERAL WOOL FIBRE:

Coarse fibres: in common with other man-made mineral fibres the vitreous silicate fibres in this product are mechanical irritants which may result in temporary irritation of the throat, eyes or skin.

Respirable fibres: the mineral wool fibres in these products contain fibres which are less than 3.0µm diameter and greater than 5.0µm long and which are classified as respirable.

Animal studies: short term inhalation studies of rats exposed to high levels of stone wool fibres have shown that the long fibres are biodegradable and quickly disappear from the lungs.
Human Epidemiological studies: large morbidity and mortality studies of both European and North American mineral wool manufacturing workers have been conducted with traditional mineral wools. The studies found no significant evidence of non-malignant lung disease (e.g. fibrosis) The studies did not establish a causal relationship between exposure to traditional mineral wools and malignant diseases (lung cancer or mesothelioma). The particular mineral wool fibre used in the products covered by this SDS is based on a new formulation with increased bio-solubility giving even more rapid clearance of fibres from the lungs compared with traditional mineral wools.

GRAPHITE:

Powdered graphite is non-toxic. High levels of airborne graphite dust may be a mechanical eye irritant. Skin contact with graphite dust may cause temporary irritation due to mechanical effects; repeated prolonged exposures may lead to dermatitis. Airborne graphite dust is an upper respiratory irritant; exposures may aggravate pre-existing upper respiratory and lung diseases. Cases of pneumoconiosis, pulmonary fibrosis and emphysema have been reported in workers following prolonged exposures to high levels of airborne graphite dust.

POLYMERIC BINDER AND SELF ADHESIVE COATING:

The Polymeric binder and SAB coating are considered to be non-hazardous.

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.
Ensure that dust or fibres are not wind-blown during transportation.

15. REGULATORY INFORMATION

Product Hazard Classification according to Directive 67/548 EEC:
Not classified

Product Hazard Classification according to Regulation CE1272/2008:
Article - not classified

16. OTHER INFORMATION

Notes: revised and reissued with minor changes 6th September 2018

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 51

Double Sided Braided Tape

Issue 3,

1. IDENTIFICATION OF THE PREPARATION AND COMPANY

PRODUCT NAME:	Double Sided Braided Tape
MANUFACTURER/SUPPLIER:	Envirograf
ADDRESS:	Envirograf House, Barfreestone, Dover, Kent, CT15 7JG
TELEPHONE/FAX/EMAIL:	01304 842555 01304 842666 sales@envirograf.com
EMERGENCY PHONE NUMBER:	01304 842555

2. HAZARDS IDENTIFICATION

Not classified as dangerous according to EC directives.

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.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Composition: General Components:

Support: PES/PVA scrim
Interliner: Release paper, yellow, 90 g/m²
Adhesive: Modified polyacrylic

4. FIRST AID MEASURES

After inhalation: Not relevant
After contact with the skin: Not relevant
After contact with the eyes: Not relevant
After swallowing: Not relevant

5. FIRE-FIGHTING MEASURES

Appropriate extinguishing agents: spraying water, dry extinguishing agent, foam

6. ACCIDENTAL RELEASE MEASURES

Not applicable

7. HANDLING AND STORAGE

Handling: -

Storage: the product should be stored in their original packaging under dry conditions, ideally at room temperature but not warmer than 30°C. High relative humidity and direct sunlight must be avoided at all costs. Ideally stored at cool temperatures.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Breathing apparatus: Not necessary
Eye protection: Not necessary
Hand/body protection: Not necessary

9. PHYSICAL AND CHEMICAL PROPERTIES

Colour: Transparent

Odour: Typical

Density: 0,8 – 1,0 g/cm³

10. STABILITY AND REACTIVITY

Dangerous reactions: Not relevant

Dangerous decomposition processes: Not relevant

11. TOXICOLOGICAL INFORMATION

Acute toxicity: **LD50 oral:** Not relevant **LD50 Dermal:** Not relevant

12. ECOLOGICAL INFORMATION

Adhesive, support and interliner are almost completely without solvents, chlorides and heavy metals. Therefore, special disposal measures are not necessary.

The product is not considered to be environmentally dangerous.

13. DISPOSAL CONSIDERATIONS

Small quantities: Household waste

Larger quantities: Industrial waste

Disposal: can be disposed of in a suitable rubbish tip or incineration plant in accordance with local authority regulations

EAKV key for the unused product 200139 (plastic small parts)

Thermal recycling with with simplified recycling certificate: if the product contains PVC parts (see point 2 above: support), thermal recycling must be clarified with the local recycling agency.

14. TRANSPORT INFORMATION

Not a hazardous material in the sense of transport regulations.

15. REGULATORY INFORMATION

H-Phrases: Not relevant

Not subject to the regulations on flammable liquids

TA sir class: Not relevant

16. OTHER INFORMATION

In accordance with the hazardous substances ordinance (regulations on dangerous substance) safety data sheets are only required for dangerous substances, products and preparations. Adhesive tapes are products of various nature as defined by regulations for chemicals, and here no safety data sheets are required. In order to satisfy our customers' needs for information, we state here the relevant information for working with our adhesive tapes, following directive 91/155/EEC and regulation (EC) No. 1907/2006 on the production/drawing up of data sheets

All the information given above represents our present state of knowledge.

This information describes the product in respect of safety data. It does not represent a statement of characteristics in the sense of a technical specification.

History

Date of revision 10th September 2018

Reason for revision General review / change of format

Sections revised All sections reviewed

HEALTH & SAFETY INFORMATION SHEET
APPENDIX 55
PVC SHEETING

26th July 2018 Issue 3

1. IDENTIFICATION OF THE PREPARATION AND COMPANY

PRODUCT NAME:	PVC Sheeting - Laminate
MANUFACTURER/SUPPLIER:	Envirograf
ADDRESS:	Envirograf House, Barfrestone, Dover, Kent, CT15 7JG
TELEPHONE / FAX / EMAIL:	01304 842555 01304 842666 sale@envirograf.com
EMERGENCY PHONE NUMBER:	01304 842555

2. HAZARDS IDENTIFICATION

Description of hazards: No hazards under normal conditions of use

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterization:

The article is based on polyvinyl chloride, plasticizer (DOTP) and additives.

DOTP: bis (2-ethylhexyl) tereftalaat, CAS-nr: 6422-86-2

REACH relevant information (in accordance to art. 33 of the REACH-regulations):

The article contains no substances included on the candidate list (status 27-06-2018)

4. FIRST AID MEASURES

In general: no need for particular precautionary measures.

5. FIRE FIGHTING MEASURES

Suitable extinguisher means: Water, foam, CO₂ and dry extinguishing agents

Special hazards: Under fire conditions, fumes can contain carbon monoxide (CO), carbon dioxide (CO₂), water vapour and hydrogen chloride (HCl). Explosive mixtures can arise due to decomposition.

Personal protective equipment: In case of fire, a breathing protection with combination filter ABEK-CO NO and rubber boots are to be worn. In case of high concentration of fumes, a self contained breathing apparatus is to be used.

6. ACCIDENTAL RELEASE MEASURES

Not applicable for such articles.

7. HANDLING AND STORAGE

Technical protective measures: No need for particular precautionary measures under normal condition of use.

Protection against fire and explosion: General regulations for preventative protection are recommended. Under unfavourable circumstances, especially in case of low relative humidity, a static electricity charge of the film can arise during unwinding.

Storage: In order to keep the properties of the film, it's advised to store it cool and dry in closed rooms. Do not expose directly to sun radiation and heat sources. The film is resistant to higher temperatures but preferably not stored over 30°C or below 10°C.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Technical measures:	Measures against static electricity are to be taken (see; "handling and storage"). During thermal processing sufficient ventilation should be provided.
Personal protective equipment:	Not necessary.
Skin protection:	Dermatologic and allergenic reactions, sensitivity and irritation are not known.
Eye protection:	Not necessary.
Industrial hygiene measures:	No need for particular precautionary measures.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Solid film
Odour:	slight and typical characteristic odour
Explosive limits:	none, see par. 7
Density (23°C):	about 1.3 / 1.5 gr/cm ³
Solubility in water:	Practically not soluble
Further details:	None

10. STABILITY AND REACTIVITY

Dangerous reactions:	None
Thermal decomposition:	None, under normal conditions of use. In not suitable processing conditions, a thermal decomposition cannot be excluded. Thermal decomposition may produce carbon monoxide, carbon dioxide, nitrogen oxides and flammable mixtures.
Further details:	None

11. TOXICOLOGICAL INFORMATION

According to present knowledge, no harmful effects are known at adequate use of the product.

12. ECOLOGICAL INFORMATION

Under normal conditions of use, no negative effects on the environment and no hazards have been reported.

Recycling: Recycling of the film is possible.

Disposal:

Film: can be disposed with household waste, if in compliance with local or state laws and regulations.

Packaging: can be disposed with household waste, if in compliance with local or state laws and regulations

13. DISPOSAL CONSIDERATIONS

Product residues: Gather into waste containers. Destroy according to the rules given by Local Authorities.

Packaging waste: Collect and destroy according to local rules.

14. TRANSPORT INFORMATION

Not dangerous goods according to transport regulations.

15. REGULATORY INFORMATION

Labelling:

- Labelling according to EC-regulation: no labelling is necessary.
- Labelling according to hazardous material regulation: no labelling is necessary.
- Water hazard classification: not water hazardous.

Other regulations, limitations: None

Transport information: No dangerous goods according to transport regulations.

The material is conforming to the:

- Regulation (EC) no. 1907/2006 (REACH)
- European Toy Norm NEN-EN 71-3, NEN-EN 71-9
- European Directive 94/62/EC on packaging and packaging waste
- The Packaging Regulations 1998 No.1165 (UK)
- Directive 2002/95/EC (RoHS), repealed by Directive 2011/65/EU

16. OTHER INFORMATION

Unless otherwise stated, this sheet applies for sheeting in unshaped condition.

This information is based on our present knowledge and our experience with the product but is in no way exhaustive. Sheet deals with the product in the state as described in the specifications. In case of combination or mixing with other products from case to case it has to be investigated whether no new risks are introduced.

No case accepted, the user of the product is obliged to follow local laws and regulations with respect to working place hygiene and protection. The details within this document do not have the meaning of property assurances. For warranties and liabilities our general terms of delivery and sales conditions are valid.

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