COSHH DATA SHEET

ENVIROGRAF®

HS004W-05-2015

Product Number: 4

Intumescent Coated Slabs with Waterproof Coating

Description:

A high-density rock-fibre slab with intumescent coating and waterproof coating on both sides.

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

- (*Appendix 4*) Health & Safety Sheet Rockwool Slab
- (*Appendix 6*) Health & Safety Sheet Intumescent Slab Coating
- (*Appendix 40*) HW/AEC

*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.

1. IDENTIFICATION OF THE PREPARATION AND COMPANY

PRODUCT NAME: Rock Fibre Slabs
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

Classification of the substance or mixture: There is no hazard statement associated with this material. Rock fibre mineral wool is not classified as dangerous according to EU directives 67/548/EEC and 1999/45/EC and its amendments [Regulation (EC) No 1272/2008] on classification, labelling and packaging of substances and mixtures.
Label elements: The overall conclusion in accordance with the REACH regulation is that there are no hazardous classifications associated with Rock fibre mineral wool fibres in respect to physical health and environmental considerations.
Other hazards:
Use of high speed cutting tools can generate dust.
When heated to approximately 200°C for the first time, release of binder components and binder decomposition products can occur which, in high concentrations, may irritate the eyes and respiratory system.
Further information can be found in Section 8.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Substance	EC Identification number	REACH Registration number	Content (% weight)	Classification, labelling & packaging [EU Regulation (CE) 1272/2008]	Classification, labelling & packaging [EU Directive 67/548/EEC]
Stone wool[1]	926-099-9	01-211-947-2313-44	95-100%	Not classified[2]	Not Classified
Synthetic thermosetting polymer binder			0-5%	Not Classified	Not Classified
Mineral oil			0-0.5%	Not Classified	Not Classified

[1] Man-made vitreous (silicate) fibres with random orientation with alkaline oxide and alkali earth oxide (Na20+K20+Ca0+Mg0+Ba0)
[2] Stone wool insulation fibres are not classified as carcinogenic in accordance with Note Q of EU Directive 97/69/EEC & Regulation 1272/2008 [page 335 of the Official Journal of the European Union, JOCE L353 31 December 2008]

4. FIRST AID MEASURES

Inhalation: In case of discomfort, leave dusty area. Blow nose & rinse throat with clean water to clear any dust.
Skin: In case of discomfort, remove contaminated clothing & wash skin gently with clean cold water & mild soap.
Eyes: in case of contact with eye, rinse abundantly with clean water for at least 15 minutes.
Ingestion: If ingested, drink plenty of water.

Most important symptoms & effects, both acute & delayed: The mechanical effect of fibres in contact with skin can cause temporary itching.
Indication of any immediate medical attention & special treatment needed: None required, if any adverse reaction or discomfort continues from any of the above exposures, seek professional medical advice.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Water, foam, carbon dioxide or dry powder
Unsuitable extinguishing media: None
Special hazards arising from the substance or mixture: Unfaced products are non-combustible and do not pose a fire hazard. Some facings and packaging materials may burn
Advice for firefighters: Observe normal firefighting procedures

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment & emergency procedures: No special requirements. In situations where there are high concentrations of dust, use personal protective equipment as described in Section 8
Environmental precautions: None required
Methods & materials for containment & cleaning up: Spray with water before sweeping or use vacuum equipment
Reference to other sections: Recommended personal protection equipment & waste disposal considerations are covered in sections 8 & 13

7. HANDLING AND STORAGE

Precautions for safe handling: No specific measures. Recommended personal protection equipment & waste disposal considerations are covered in sections 8 & 13
Conditions for safe storage, including any incompatibilities: Keep material in original packaging until it is to be used. Store material to protect against damage including the weather.
Specific end use(s): None required

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters:
Workplace exposure limit (WEL) 5mg/m³ gravimetric measure (total inhalable dust) & 2 fibres/ml airborne fibre limit, 8-hour time weighted averages. HSE guidance assumes that the gravimetric measures would be reached before the fibre measure.
Exposure controls
Appropriate engineering controls: No specific requirements
Individual protection measures, such as personal protective equipment:
Eye protection: With heavy dust development or particularly when working with product above shoulder height, the use of safety goggles to EN166 is advised.
Skin protection: Hands – it is recommended that gloves in conformity with EN 388 are worn for comfort. Other – Cover exposed skin for comfort.
Respiratory protection: If WEL is likely to be exceeded (for example when using high speed cutting tools or when working in confined space) disposable face masks complying with BS EN149 FFP1 or FFP2 should be used and are suitable for most applications. When insulation wool is heated to approximately 200°C for the first time release of binder components and binder decomposition products occurs. The fumes can be detected by their acrid odour and high concentrations of the gases may irritate the eyes and respiratory system. In general, decomposition products from pyrolysis or burning of organic material can cause respiratory sensitization. There are no recorded incidents of respiratory sensitization from gases released from rock fibre products. However, general dilution ventilation and/or local exhaust ventilation should be provided as necessary to control exposure to fumes when high temperature appliances are first put into service.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance: Solid grey-green
Odour: None
Odour threshold: Not applicable
pH: Not relevant
Melting point: Above 1000°C
Initial boiling point and boiling range: Not applicable
Flash point: A1 non-combustible (re UK & Ireland Building Regulations)
Evaporation range: Not applicable
Flammability: A1 non-combustible (re UK & Ireland Building Regulations)
Upper/lower flammability or explosive limits: Not applicable
Vapour pressure: Not applicable
Vapour density: Not applicable
Relative density: Not applicable
Solubility: Generally chemically inert and insoluble in water
Partition coefficient n-octanol/water: Not applicable
Auto-ignition temperature: A1 non-combustible (re UK & Ireland Building Regulations)
Decomposition temperature: When insulation wool is heated to approximately 200°C for the first time, release of binder components and binder decomposition products occurs.
Viscosity: Not applicable
Explosive properties: A1 non-combustible (re UK & Ireland Building Regulations)
Oxidising properties: Not applicable

Other information: No further chemical or physical properties to report.

10. STABILITY AND REACTIVITY

Reactivity: Not reactive
Chemical stability: Stable
Possibility of hazardous reactions: Not reactive
Conditions to avoid: None specified
Incompatible materials: None specified
Hazardous decomposition products: When insulation wool is heated to approximately 200°C for the first time, release of binder components and binder decomposition products occurs.

11. TOXICOLOGICAL INFORMATION

The mechanical effect of fibres in contact with skin can cause temporary itching.

Owing to their high bio-solubility, the fibre types of rock fibre stone wool insulation materials are assessed as free from suspicion of possible carcinogenic effects in accordance with EU Directive 97/69/EC (Note Q). In October 2001, the International Agency for Research on Cancer (IARC) classified mineral wool insulation as Group 3 (not classifiable as to its carcinogenicity in humans) i.e. not classified as possibly carcinogenic to humans. Furthermore, there are no hazardous classification associated with rock fibre stone wool under REACH Regulations.

12. ECOLOGICAL INFORMATION

This product will remain stable with no known adverse environmental effects.

13. DISPOSAL CONSIDERATIONS

Rock fibre material is recyclable
Rock fibre material is classified as non-hazardous waste. Rock fibre insulation waste is covered by the non-hazardous entry “17 06 04 insulation materials other that those mentioned in 17 06-01 and 17 06 03” in the European Waste Catalogue, established by EC Decision 2000/532/EC (hazardous waste) Under landfill regulations rock fibre insulation waste is categorized as “waste accepted at landfills for non-hazardous waste in accordance with EC Decision 2003/33/EC (landfill acceptance criteria)

14. TRANSPORT INFORMATION

Not regulated for transport

15. REGULATORY INFORMATION

Safety, health and environmental regulations / legislation specific for the substance or mixture: The overall conclusion in accordance with the REACH regulation is that there are no hazardous classifications associated with rock fibre in respect to physical health and environmental considerations

16. OTHER INFORMATION

Rock fibre stone wool fibres are exonerated from classification as a carcinogen in accordance with EU directives 97/69/CE and Regulation EC 1272/2008. Rock fibre stone wool fibres are subject to independent assessment of compliance by the European Certification Board for Mineral Wool Products (EUCEB, www.euceb.org) on an ongoing voluntary basis.
Health and Safety Executive Guidance Note EH40 – Occupational Exposure Limits.
Health and Safety Commission “The Chemicals (Hazard Information and Packaging for Supply) Regulations” - ‘CHIP’.

Hazardous Waste Regulations:
List of Wastes/European Waste Catalogue (EWC).
Environment Agency Technical Guidance WM2, “Interpretation of the definition and classification of hazardous waste”.
Landfill Regulations:
MIMA/Eurosol Health Statement.
This Sagety Data Sheet has been prepared in accordance with European Commission Regulation (EU) No 453/2010 (REACH)
This data sheet does not constitute a workplace assessment.

HEALTH & SAFETY INFORMATION SHEET
APPENDIX 6
SLAB COAT

Issue 2. 29th April 2015.

1. IDENTIFICATION OF THE PREPARATION AND COMPANY

PRODUCT NAME: Slab Coat
MANUFACTURER/SUPPLIER: Envirograf
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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

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.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterization Aqueous polymer coating for exterior surfaces.

Chemical Name	CAS No.	EC No.	%	Classification
C14-C17 chloroalkaness	85535-85-9	287-477-0	<7%	N Dangerous for the environment R50/53 Very toxic to aquatic organisms R64-66 May cause harm to breast fed babies

4. FIRST AID MEASURES

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.

5. FIRE-FIGHTING MEASURES

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.

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.

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.

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

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

Other data

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.

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

UK road/rail	Not applicable. None hazardous.
IMDG	Not applicable. None hazardous.
ICAO	Not applicable. None hazardous.
ADR	Not applicable. None hazardous.

15. REGULATORY INFORMATION

Supply classification:	
Hazard symbol(s)	N Dangerous for the environment
Risk phrases	R50/53 Very toxic to aquatic organisms R64-66 May cause harm to breast fed babies.
Safety phrases	S25 Avoid contact with eyes. S26 In case of contact with eyes, rinse immediately with plenty of water, seek medical advice S39 Wear eye / face protection. S57 Use appropriate container to avoid environmental contamination.

16. OTHER INFORMATION

Recommended use	Coating with fire retardant / intumescent properties.
Further information	Consult technical data sheet.
R-Phrase from section 2	R50/53 – Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment

History

Date of printing	09 June 2015
Date of issue	April 2015
Version	2
Prepared by	Intumescent Systems Limited

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.

1. IDENTIFICATION OF THE PREPARATION AND COMPANY

PRODUCT NAME: HWAEC
MANUFACTURER/SUPPLIER: Intumescent Systems
ADDRESS: Envirograf House, Barfrestone, Dover, Kent, CT15 7JG
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EMERGENCY PHONE NUMBER: 01304 842555 (Monday to Friday 8.30 – 5.30)

2. COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL CHARACTERISATION: Aqueous (emulsion) polymer system.

3. HAZARDS IDENTIFICATION

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

4. FIRST AID MEASURES

SKIN CONTACT: Remove contaminated clothing and wash contaminated skin with soap and water.
EYE CONTACT: Wash with water for several 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.

5. FIRE FIGHTING MEASURES

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

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.

7. HANDLING AND STORAGE

HANDLING PRECAUTIONS: Not applicable.
STORAGE CONDITIONS: Store in closed containers between + 5°C and + 30°C in dry conditions. Avoid extremes of temperature.

8. EXPOSURE CONTROL / PERSONAL

CONTROL PARAMETERS: Not applicable.
ENGINEERING MEASURES:

PERSONAL PROTECTION EQUIPMENT
RESPIRATORY PROTECTION: Not applicable.
HAND PROTECTION: Gloves.
EYE PROTECTION: Goggles.
SKIN AND BODY PROTECTION: Not applicable.

9. PHYSICAL AND CHEMICAL PROPERTIES

COLOUR:	White, other colours available on request.
FORM:	Shear thinning paste.
ODOUR:	Slight.
PH AS SUPPLIED:	
BOILING POINT/RANGE:	Not applicable.
MELTING POINT/RANGE:	Not applicable.
FLASH POINT:	Not applicable.
FLAMMABILITY (SOLID/GAS):	Not applicable.
AUTOIGNITION TEMPERATURE:	Not applicable.
EXPLOSIVE PROPERTIES:	Not applicable.
OXIDIZING PROPERTIES:	Not applicable.
VAPOUR PRESSURE:	Not applicable.
BULK DENSITY:	1.3 to 1.4g/cm³
SOLUBILITY:	
WATER SOLUBILITY:	Miscible.
PARTITION COEFFICIENT: (n-octanol/water)	Not applicable.

OTHER DATA:

10. STABILITY AND REACTIVITY

STABILITY: Stable under normal conditions.
CONDITIONS TO AVOID: Avoid extremes of temperature especially frost and freezing conditions.
MATERIAL TO AVOID: None, under normal conditions of use.
HAZARDOUS DECOMPOSITION PRODUCTS: No decomposition if stored and applied as directed.

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

UK ROAD/RAIL:	Not applicable.	None hazardous.
IMDG:	Not applicable.	None hazardous.
ICAO:	Not applicable.	None hazardous.
ADR:	Not applicable.	None hazardous.

15. REGULATORY INFORMATION

SUPPLY CLASSIFICATION:	
HAZARD SYMBOL(S):	None.
RISK PHRASES:	None.
SAFETY PHRASES:	None.

16. OTHER INFORMATION

RECOMMENDED USE:	High quality concrete / brick / mortar protective coating.
FURTHER INFORMATION:	Consult technical data sheet.

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