

SAFETY DATA SHEET



ENVIROGRAF®

HS004-08-2019

Product Number: 4

Intumescent Coated Slabs

Description:

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

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 the following Health & Safety Data Sheets:

- (Appendix 4) Health & Safety Sheet Rockwool Slab
- (Appendix 6) Health & Safety Sheet Intumescent Slab Coating

*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 4

Rock Fibre Slabs

Issue 3, 7th September 2018

1. IDENTIFICATION OF THE PREPARATION AND COMPANY

1.1 Product Identifier:	Rock Fibre Slabs
1.2 Relevant identified uses of the substance or mixture and uses advised against	Thermal insulation, acoustic insulation and fire protection in building applications. No uses advised against for physical, health and environmental considerations as covered by REACH
1.3 Manufacturer/supplier:	Envirograf
Address:	Envirograf house, Barfrestone, Dover, Kent, CT15 7JG
Telephone/fax/email:	01304 842555 01304 842666 sales@envirograf.com
1.4 Emergency phone number:	01304 842555 (Monday to Friday 8.30 – 5.30)

2. HAZARDS IDENTIFICATION

2.1 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 Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP)

2.2 Label elements: The overall conclusion in accordance with the CLP regulation, REACH regulation and the Globally Harmonised System (GHS) is that there are no hazardous classifications associated with Rock fibre mineral wool fibres in respect to physical health and environmental considerations.

2.3 Other hazards:

Use of high speed cutting tools can generate dust.

If in contact with constant heat >175°C, the binder will be slowly broken down.

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]
Stone wool ¹	926-099-9	01-211-947-2313-44	95-100%	Not classified ²
Synthetic thermosetting polymer binder			0-5%	Not Classified
Mineral oil			0-0.5%	Not Classified
Silicon oil/emulsion ³			0-0.5%	Not classified

¹ Man-made vitreous (silicate) fibres with random orientation with alkaline oxide and alkali earth oxide (Na₂O+K₂O+CaO+MgO+BaO) content greater than 18% by weight and fulfilling one of the Nota Q conditions of Regulation 1272/2008

² Note Classified H351 "suspected of causing cancer". Stone wool insulation fibres are not classified as carcinogenic in accordance with Note Q of Regulation 1272/2008. Stone wool products do not contain CLP classified substances >0.1%

³ Silicon oil/emulsion is used in place of mineral oil in certain stone wool products

4. FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation: Remove from exposure. Rinse the throat and clear dust from airways

Skin: If itching occurs, remove contaminated clothing & wash skin gently with clean cold water & mild soap.

Eyes: Rinse abundantly with clean water for at least 15 minutes.

Ingestion: If accidentally ingested, drink plenty of water.

4.2 Most important symptoms & effects, both acute & delayed: The mechanical effect of fibres in contact with skin may cause temporary itching/inconvenience.

4.3 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

5.1 Extinguishing media

Suitable extinguishing media: Water, foam, carbon dioxide (CO₂), and dry powder

Unsuitable extinguishing media: None

5.2 Special hazards arising from the substance or mixture: None special. Use normal body and respiratory protection for fire.

5.3 Advice for firefighters: The unfaced products are non-combustible, some packaging materials or facing may however be combustible.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment & emergency procedures: In case of presence of high concentrations of dust, use the same personal protective equipment as described in Section 8

6.2 Environmental precautions: None required

6.3 Methods & materials for containment & cleaning up: Dampen with water spray before sweeping or use vacuum equipment

6.4 Reference to other sections: For personal protection equipment see Section 8. For waste disposal, see Section 13

7. HANDLING AND STORAGE

7.1 Precautions for safe handling: No specific measures. Preferably use a knife for cutting. If a power tool is used, provide effective dust extraction. Ensure adequate ventilation of workplace. See Section 8. Avoid unnecessary handling of unwrapped product. See Section 8.

7.2 Conditions for safe storage, including any incompatibilities:

Technical measures: No special measures necessary.

Suitable storage conditions: Products should be kept dry, if possible in original packaging

Incompatible materials: None

Packaging material: Products are typically packed in polyethylene film, cardboard and/or on wooden pallets.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 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. (Ref. HSE EH40)

8.2 Exposure controls

8.2.1 Appropriate engineering controls: No specific requirements

8.2.2 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.
- **Hand protection:** Use gloves conforming with EN 388 to avoid itching
- **Skin protection:** Cover exposed skin
- **Respiratory protection:** When working in unventilated areas or during operations which can generate emission of (various) dusts, wearing a disposable face mask in accordance with EN149 FFP1 is recommended.

At high temperatures not usually found in building construction (>175°C), the product binder will slowly decompose and trace gases will be released. When high temperature appliances are first put into service, gases should be vented to control exposure to fumes or appropriate respirators used.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance: Solid grey-green

Odour: Odourless
Odour threshold: Not applicable
pH: Not relevant. Solid
Melting point: >1000°C
Initial boiling point and boiling range: Not relevant. Solid
Flash point: Not relevant - non-combustible (re UK & Ireland Building Regulations)
Evaporation range: Not applicable
Flammability: Not relevant - non-combustible (re UK & Ireland Building Regulations)
Upper/lower flammability or explosive limits: Not relevant - non-combustible (re UK & Ireland Building Regulations)
Vapour pressure: Not relevant. Solid
Vapour density: Not relevant. Solid
Relative density: Depends on product type (ty. Between 20 and 300 kg/m³)
Solubility: Generally chemically inert and insoluble in water
Partition coefficient n-octanol/water: Not relevant. Insoluble in water
Auto-ignition temperature: Not relevant - non-combustible (re UK & Ireland Building Regulations)
Decomposition temperature: When heated to approx. 175°C for the first time, release of binder decomposition products occurs.
Viscosity: Not relevant. Solid
Explosive properties: Not relevant - non-combustible (re UK & Ireland Building Regulations)
Oxidising properties: Not relevant. Non-oxidising

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

10. STABILITY AND REACTIVITY

10.1 Reactivity: Not reactive
10.2 Chemical stability: Stable
10.3 Possibility of hazardous reactions: Not reactive
10.4 Conditions to avoid: None specified
10.5 Incompatible materials: None specified
10.6 Hazardous decomposition products: When insulation wool is heated to approximately 175°C for the first time, release of binder decomposition products occurs. See 8.2.2

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects
Acute toxicity: No acute toxicity
Irritation: In the case of coarser fibres there can be mechanical effects on skin, upper respiratory system (mucous membranes) and eyes that can cause temporary, self-fading effects (e.g. itching). No chemical effects ensue.
Corrosivity: No corrosivity
Sensitisation: No sensitisation
Repeated dose toxicity: No repeated dose toxicity.
Carcinogenicity: None. Owing to its high bio-solubility, the fibre used in stone wool insulation materials is assessed as free from suspicion of possible carcinogenic effects in accordance with Regulation (EC) No 1272/2008 (Ref: Note Q). In October 2001, the International Agency for Research on Cancer (IARC) classified rock (stone) wool insulation as Group 3 (not classifiable as to its carcinogenicity in humans) i.e. not suspected of causing cancer in humans.
Mutagenicity: No mutagenicity
Toxicity for reproduction: No toxicity for reproduction.

12. ECOLOGICAL INFORMATION

12.1 Toxicity: None. This product is not expected to cause harm to animal or plants during normal conditions of use. Stone wool is principally made from non-scarce rock material and recycled stone wool.
12.2 Persistence and degradability: None
12.3 Bioaccumulative potential: None
12.4 Motability in soil: None
12.5 Results of PBT and vPvB assessment: No assessment required
12.6 Other adverse effects: Relying on entrapped air for its thermal properties, the products do not and never have used blowing agents with Ozone Depleting Potential or Global Warming Potential.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

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 than 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

14.1 UN Number: Not applicable

14.2 UN Proper shipping name: Not applicable

14.3 Transport hazard class(es): Not applicable

14.4 Packing Group: Not applicable

14.5 Environmental hazards: Not applicable

14.6 Special precautions for user: None specified

15. REGULATORY INFORMATION

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

15.2 Chemical safety assessment: No assessment required.

16. OTHER INFORMATION

This Safety Data Sheet has been prepared in accordance with European Commission Regulation (EU) No. 453/2010 (REACH).

Although REACH Regulations do not require a safety data sheet to be provided for stone wool insulation, this format is used to provide standardized health and safety information.

All stone wool insulation products supplied by Envirograf are made of fibres exonerated from classification as a carcinogen in accordance with Regulation (EC) No. 1272/2008 (ref. Nota Q).

Stone wool fibres are subject to independent assessment by EUCEB.

Membership of the EUCEB certification scheme is voluntary and certifies compliance with the parameters laid down in Nota Q, as defined by Regulation (EC) No. 1272/2008.

This data sheet does not constitute a workplace assessment.

The information provided represents the state of our knowledge regarding this material at the date of its publication.

The information provided does not constitute a product specification and no warranty expressed or implied is hereby made.

The information relates only to the specific material designated when used in applications it has been designed for. This information may not be valid for such material used in combination with any other materials or in any other processes, unless specified in the text.

History

Date of revision 7th September 2018

Reason for revision General review / change of format

Sections revised All sections revised

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 6
SLAB COAT

14th April 2015 ISSUE 2

1. IDENTIFICATION OF THE PREPARATION AND COMPANY

PRODUCT NAME:	Slab Coat
MANUFACTURER/SUPPLIER:	Envirograf
ADDRESS:	Envirograf House, Barfreestone, Nr 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

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 (emulsion) polymer system
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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 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: Avoid contact with skin and eyes.

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

CONTROL PARAMETERS: Not applicable.

ENGINEERING MEASURES:

PERSONAL PROTECTION EQUIPMENT:

RESPIRATORY PROTECTION: Not applicable.

HAND PROTECTION: Gloves.

EYE PROTECTION: Goggles.

SKIN AND BODY PROTECTION: Wear suitable protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

COLOUR: White.
FORM: High viscosity gel / paste.
ODOUR: Slight.
PH AS SUPPLIED: 7.0 to 8.5
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.
OXIDISING PROPERTIES: Not applicable.
VAPOUR PRESSURE: Not applicable.
BULK DENSITY: 1.40 to 1.43g/cm³
SOLUBILITY:
WATER SOLUBILITY: Miscible.
PARTITION COEFFICIENT: Not applicable.
(n-octanol/water)
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): None.
RISK PHRASES: Irritating to eyes and skin.
SAFETY PHRASES: Avoid contact with skin and eyes.
Wear suitable protective clothing, gloves and eye/face protection.

16. OTHER INFORMATION

RECOMMENDED USE: Adhesive for use with fire retardant / resistant assemblies.
FURTHER INFORMATION: Consult technical data sheet.

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.
