



COSHH Information





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PROFESSIONAL WATERPROOFING

Via Galoppat 134 - 33087 PASIANO
(PORDENONE) - ITALY

MATERIAL SAFETY DATA SHEET

Introduction

According to the Ministerial Decree dated 28 January 1992, art.10, related to 'classification and regulations governing packaging and labelling of dangerous preparations, in accordance with the directives issued by the European Community Council and Commission', this product is not subjected to the obligation of issuing a safety data sheet as it is a handmade material not being included in the field of application of the above regulation, which in this regard governs dangerous preparations only.

However, it is considered suitable to provide the following information, aimed to allow a proper use of the product, making use of the 16 part scheme as per art. 11 and enclosure III of the aforesaid regulations, acknowledged also by memorandum No. 15 dated 1 April 1992 by the Department of Health.

The sections which evidently cannot be applied to the subjected material will be left blank.

1 Product Identification and Use - Manufacturer Identification

- 1.1 Product: Italiana Membrane Bituminous Roofing Felts
- 1.2 Applications: Roof waterproofing membranes
- 1.3 Company Identification: Italiana Membrane S.p.A.
Via Galoppat 134
33087 Pasiano (Pordenone) - Italy
- 1.4 Telephone/Fax Number: Tel. 0039 - 0434 - 62 81 55
Fax 0039 - 0434 - 62 81 78

2 Composition/Information on Ingredients

- 2.1 Solid sheet material containing:
- distilled bitumen
 - polymers (atactic polypropylene, or styrene-butadiene-styrene)
 - calcium carbonate
 - a reinforcing base which may be glass fibre, non-woven polyester fibre, aluminium foil, polypropylene film or a combination of these materials
 - siliconised polyethylene film
 - a surface finish which may be sand, talc and/or slate mineral granules

Materials do not contain any dangerous substances according to Law No. 256 of 29 May 1974 and following modifications and supplements (see Ministerial Decree dated 28 January 1992, enclosure III, point 2)

3 Hazards

Not classified as hazardous.

4 First Aid Measures

In case of prolonged inhalation of the vapours emitted when touching the product, particularly in enclosed spaces, send the injured person away from the working place and in case of indisposition breath in fresh air and consult a doctor.

In case of contact with skin of molten material, irrigate long with fresh water, do not use solvents to remove the material, take contaminated clothes off if they are not stuck to skin and consult a doctor.

In case of contact with eyes of molten material, irrigate immediately and abundantly with fresh water for at least 15 minutes, do not try to remove from eyes particles of substance and see a specialist. In case of irritation by vapours irrigate abundantly with fresh water

In case of ingestion seek immediately medical attention.

5 Fire Fighting

Italiana Membrane bituminous roofing felts will burn if ignited.

5.1 Extinguisher Media Nebulised water, carbon dioxide, chemical powders, foam

Use protective masks with UP filter (for universal protection from fire smokes and gases including CO₂).

5.2 Fire & Explosion Hazards Not applicable.

6 Accidental Release Measures

Not applicable.

7 Handling and Storage

7.1 Storage

Store rolls in vertical position, in a sheltered are (at a temperature between 0 °C and 40 °C), far from heat sources and electrical installations. It is not necessary to take measures aimed to avoid accumulation of static electricity. Have suitable extinguishers available.

7.2 Handling

Use suitable protective equipments (see point 8).

Avoid installing products in enclosed spaces and without suitable ventilation.

Adopt all sanitary and safety norms as provided for by regulations currently in force for working places. Have suitable extinguishers available.

(Continued.....)

During installation the molten material can cause burns. The use of a free flame, if not controlled, can determine fires.

In case of installation by torching or hot air for membranes finished with a thermo-fusible film, the proper heating temperature is indicated by the complete shrinking of the film itself, while for talced or sanded faces the blackening or the appearance of a bright surface indicates a sufficient heating to adhere the sheet surfaces.

In case of installation with hot bitumen the use of a thermometer allows to control the temperature in the boiler where bitumen is heated.

8 Exposure Controls/Personal Protection

8.1 Recommended personal protection equipments:

- protection of hands: suitable protection gloves
- protection of eyes: glasses and safety masks
- protection of skin: suitable protective clothes

8.2 The installation of this product in interiors must be carried out in premises supplied with suitable aspirators in order to extract the vapours generated during the torching operations.

Maximum exposure: TLV/TWA = 5 mg/m³ (asphalt smokes).

In case of insufficient ventilation, resort to ricorrere a respiratory protection by a mask with AP filter (for protection from organic vapours, powders and smokes, spray painting).

8.3 Wash your hands before work pauses and after finishing the work. Keep working clothes in a separate place.

9 Physical and Chemical Properties

- | | |
|-----------------------------------|---|
| - Appearance: | Black sheet in roll form, various thicknesses and weights, various surface finishes |
| - Odour: | Light, bituminous |
| - pH: | Not applicable |
| - Boiling point / range: | approx. + 470°C (bitumen) |
| - Melting point | _ 100°C |
| - Punto di infiammabilità: | approx. + 230 °C (bitumen) |
| - Inflammability (solids, gases): | Not inflammable (combustible, calorific value = approx. 9000 kcal/kg) |
| - Self-inflammability: | approx. + 485°C (bitumen) |
| - Explosive properties: | None |
| - Comburent properties: | None |
| - Vapour pressure: | Not applicable |
| - Density: | 1÷1.5 kg/dm ³ |
| - Solubility: | Hydrosolubility No
Liposolubility Yes (organic solvents) |

10 Stability and Reactivity

10.1 Stability

Stable under normal conditions

10.2 Materials to avoid

None known

10.3 Conditions to avoid

Excessive heat

11 Toxicological Information

The product is based on bitumen and thermo-plastic polymers. Therefore, the product itself is not dangerous at all.

During installation operations - by torching, hot air or hot bitumen - the vapours emitted can cause damages to eyes and respiratory system.

Compound or bitumen when melted can cause burns.

In case of an improper use, without taking the preventive measures mentioned at points 7 and 8, symptoms of irritation of eyes, respiratory tract and skin, sensitization effects with possible dermatitis and conjunctivitis may occur.

According to the Decree by the President of the Republic No. 303 dated 19 March 1956, art. 33 and enclosure, heading 47, for workmen assigned to the use of materials a medical control visit is required every six months.

12 Ecological Information

Utilise the product according proper practise avoiding wasting it in the environment.

13 Disposal Consideration

The product is to be considered as a special waste material comparable to urban solid waste according to the Decree by the President of the Republic No. 915 dated 10 September 1982.

Dispose at a registered land infill site in accordance with Local Authority Regulations.

14 Transport Information

Not dangerous when transported.

(Continued.....)

15 Regulatory Information

European Union

- Directive No. 67/548/CEE dated 27th June, 1967
- Directive No. 88/379/CEE dated 7th June, 1988
- Directive No. 91/155/CEE dated 5th March, 1991 and modifications.

Italy

- Ministerial Decree of 28th January, 1992
 - Decree by the President of the Republic No. 547, 27th April, 1955
 - Decree by the President of the Republic No. 303, 19th March, 1956
 - Decree by the President of the Republic No. 482, 9th June, 1975
 - Decree by the President of the Republic No. 915, 10th September, 1982
 - Decree by the President of the Republic No. 336, 13th April, 1994
 - Law by decree No. 277, 15th August, 1991
 - Law by decree No. 626, 19th September, 1994
 - Law No. 256, 29th May, 1974
- and their following modifications and integrations, and any other national regulation applicable.

16 References

- NIOSH Registry of toxic effects of chemical substances
- SAX Dangerous properties of industrial materials

This data sheet and the advice given apply only when the product is used for the stated application according to the directions for use. Use for different applications may give rise to risks not covered by this sheet.

If you have purchased this product for use by a third party it is a requirement that you make the information contained in this data sheet available to that person and that you ensure that the spirit and intention of the recommendations are implemented.

ITALIANA MEMBRANE S.p.A.
The Technical Manager



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MATERIAL SAFETY DATA SHEET

SCUDOTHERM PU/VV PU/CL SYSTEMS

1. Product Identification and Use

Product: SCUDOTHERM PU/VV expanded polyurethane Insulation boards

Applications: Thermal Insulation of roofs

Company Identification: Italiana Membrane SpA, Via Galoppat, 134, 33087 - Pasiano (PN), Italy.

Telephone/Fax Number: Tel.(+39) 434 - 628155 - Fax (+39) 434 - 628178

2. Composition/Information on Ingredients

Rigid expanded polyurethane foam board, obtained by a chemical reaction between polyol and isocyanate and a lower quantity of catalyzers, fire retardants and expanded agents.

3. Hazards

Cell solid material, stable in suitable stocking and handling conditions (see paragraph No7 below)

In normal conditions the material is chemically inert, not soluble and cannot be metabolised. It does not emit toxic fumes or vapours.

4. First Aid Measures

Eye Contact Not applicable

Skin Contact Not applicable

Ingestion Not applicable

Inhalation Not applicable

5. Fire fighting

Polyurethane foam is not inflammable but combustible. It burns if in contact with a flame.

Extinguisher Media All extinguisher media can be used.

Fire & Explosion Hazards If involved in a fire, the product can emit toxic fumes.

Fire fighting operators are required to use breathing apparatus.

6. Accidental Release Measures

Not applicable

7. Handling and Storage

Materials are physically stable, but it is advisable to store them in dry, ventilated areas, protected from the atmospheric agents.

If materials are stocked outside, they must be suitably protected by rain and direct sun rays.

Do not store materials near to free flames and sparks.

During handling it is required to use masks and gloves in the presence of dust.

8. Exposure Controls/Personal Protection

During cutting operations some dust may be formed which can be irritating.

Use of gloves and masks is recommended to protect the respiratory tract.

9. Physical and Chemical Properties

Appearance

White boards, various thickness' and weights.

10. Stability and Reactivity

Stability

Stable under normal conditions

Materials to avoid

None Known

11. Toxicological Information

Not applicable

12. Ecological Information

Not Applicable

13. Disposal Consideration

Polyurethane foams are considered as comparable with solid urban waste materials. Dispose at a registered land in-fill site in accordance with Local authority regulations.

14. Transport Information

No unusual transport problems

15. Regulatory Information

EU

Assessment 67/548/CEE dated 27th June 1967

Assessment 88/379/CEE dated 7th June 1988

Assessment 91/155/CEE dated 5th March 1991 and modifications

Italy

Minister's Decree 28th January 1992

Decree by the President of the Republic No 547, 27th April 1955

Decree by the President of the Republic No 303, 19th March 1956

Decree by the President of the Republic No 482, 9th June 1975

Decree by the President of the Republic No 915, 10th September 1982

Decree by the President of the Republic No 336, 13th April 1994

Law by decree No 277, 15th August 1991

Law by decree No 626, 19th September 1994

Law No 256, 29th May 1974

References

NIOSH Registry of toxic effects of chemical

SAX Dangerous properties of industrial materials

16. Other Information

This data sheet and the advice given apply only when the product is used for the stated application according to the directions for use. Use for different applications may give rise to risks not covered by this sheet.

If you have purchased this product for use by a third party it is a requirement that you make the information contained in this data sheet available to that person and that you ensure that the spirit and intention of the recommendations are implemented.

ITALIANA MEMBRANE S.p.A.
The Technical Manager



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