

\* **VOLUNTARY SAFETY DATA SHEET (VSDS)**  
**sheets of polymer modified bitumen, delivered in rolls**

\* **INTRODUCTION**

*The system of Regulation (EC) No 1907/2006 (REACH) concerning chemical products is applicable since 1 June 2007. It requires the production of a Safety Data Sheet for substances and mixtures which meet the criteria for classification as hazardous, or which contain more than 1% of a classified substance, or having a Community exposure limit value.*

*Bituminous waterproofing materials in roll format are considered as articles not subject to the obligatory provision of a Safety Data Sheet. This is also true for the current New Zealand Hazardous Substances and New Organisms Legislation*

*Soprema and Equus, however, wish to supply users of these products in roll format with a Voluntary Safety Data Sheet (VSDS) made up of 16 Points identical to a normal Safety Data Sheet (SDS), in order to provide information concerning the precautions to be taken when using such products.*

\* **SECTION 1: IDENTIFICATION OF THE PRODUCT AND THE RESPONSIBLE PARTY/COMPANY**

**1.1 Product Identifier**

Bitumen products in rolls.

**1.2 Relevant intended uses of the product and uses advised against:**

- Relevant identified uses: waterproof sheeting for buildings in roll format which can be unrolled and torch welded or glued.

For products complementary to such sheets, particularly glues, and coats of product applied with hot torches, please check the corresponding SDS or VSDS.

- Uses advised against: non, unless specified elsewhere in this VSDS,

**1.3 Details of the supplier of the Safety Data Sheet:**

Name/Registered Company Name: SOPREMA S.A.S.

Address: 14 rue de Saint Nazaire – CS-60121 – F-67025 STRASBOURG CEDEX, FRANCE

Telephone: +33 (0) 3 88 79 84 00

Fax: +33 (0) 3 88 79 84 01

E-mail : sds@soprema.fr

Name: New Zealand Supplier: Equus Industries Ltd

Address: 4 Sheffield Street, Riverlands Estate, Blenheim 7274

Telephone: +64 (3) 578 0214

Fax: +64 (3) 578 0919

Email: admin@equus.co.nz                      www.equus.co.nz

**1.4 Emergency Telephone Number**

EMERGENCY NUMBER : +44 (0)1 235 239 670

ORFILA Number: +33 (0) 1 45 42 59 59 (France - list of poison centres)

National Poison Centre NZ: 0800 764 766

\* **SECTION 2: HAZARDS IDENTIFICATION**

**2.1 Classification of the substance:**

The product is not subject to labelling as per the regulation (EC) N° 1907/2006 -1272/2008 concerning the classification, packaging, and labelling of hazardous substances.

EC N°: Not Applicable

**2.2 Label elements:**

None as per (EC) regulation N° 1907/2006 - 1272/2008 and its subsequent modifications.

**2.3 Other hazards:**

These products are combustible and may produce hazardous decomposition products (see Sections 5.2 or 10.6). When being laid and fitted using hot torches, vapours can be emitted (see Section 8).

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**\* SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

**3.1 Substances:** not applicable, this product is an article in REACH terms.

**3.2 Mixtures:** not applicable, this product is an article in REACH terms.

**3.3 Articles:**

- Description of the article: a mineral or organic membrane supporting high-molecular-weight organic components: polymer modified bitumen.
  - Hazardous components: none as per (EC) regulation N° 1907/2006 - 1272/2008 and its subsequent modifications.
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**\* SECTION 4: FIRST AID MEASURES****4.1 Description of First Aid measures**

- **General notes:** No hazards which require special First Aid measures.
- **Following inhalation:** Inhalation is not a pertinent means of exposure when working outdoors. In case of accidental inhalation of vapours or decomposition products, the victim should be taken away into the fresh air.
- **Following skin contact:** DO NOT use gas oil, or solvents or thinners. There is a risk of being burnt when the product is melted by the application of heat. In this case, immerse the burn area in cold water for 10 minutes. DO NOT try to remove clothing. NEVER remove the bitumen from the skin. Get medical advice to remove the bitumen and treat the burns.
- **Following eye contact:** There is a risk of being burnt when the product is melted by the application of heat. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- **Following ingestion:** Not applicable

**4.2 Most important symptoms and effects, both acute and delayed:**

The symptoms are described in Section 11.

- Following inhalation: none when used normally outdoors, or inside in a ventilated room;
- Following skin contact: none when used normally;
- Following eye contact: none when used normally;
- Following ingestion: none.

**4.3 Indication of any immediate medical attention and special treatment needed:**

Consider as a burn if in contact with a hot to very hot solid.

**\* SECTION 5. FIREFIGHTING MEASURES****5.1 Extinguishing media:**

Suitable extinguishing media:

Alcohol-resistant foam, carbon dioxide (CO<sub>2</sub>), powder, sprayed water (concentrated on the walls of burning containers to cool them down), non-flammable dry material such as sand or soil.

Unsuitable extinguishing media:

Do not use a hose pipe water jet.

**5.2 Special hazards arising from the substance:**

A fire will produce thick black smoke. Being exposed to decomposition products may be a health risk.

**5.3 Advice for Firefighters:**

Special methods: use water to cool down closed packages exposed to fire.

Do not allow residues of extinguishing media to enter drains, sewers or water courses.

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**\* SECTION 6. ACCIDENTAL RELEASE MEASURES****6.1 Personal precautions, protective equipment and emergency procedures:**

Not applicable

**6.2 Environmental precautions:**

Not applicable

**6.3 Methods and material for containment and cleaning:**

Place residues in containers for disposal in accordance with current regulations (see Section 13).

**6.4 Reference to other sections:**Not applicable

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**\* SECTION 7. HANDLING AND STORAGE****7.1 Precautions for safe handling:**

- Precautions for safe handling: product handling does not require special precautions other than wearing protective gloves.

- Advice on use: rolls of products weighing more than 25kg should be handled either with mechanical handling equipment or with manual gripping tools with a load of no more than 25kg per person. A specific pictogram is fixed to rolls weighing less than 25kg. Use suitable safe manual handling techniques.

- Technical measures: no special technical protection measures are required.

**7.2 Conditions for safe storage, including any incompatibilities:**

- Conditions for safe storage, including any incompatibilities: keep away from heat/sparks/open flames/hot surfaces. — No smoking.

- Technical measures: not applicable:

- Conditions of storage: in rolls, standing on end. Keep in the original packing materials.

- Type of materials used for storage / containers: same materials as the original packaging / container.

**7.3 Specific end use(s):**

When fixing the product with hot torches, gloves must be made from a non-fusible material (leather); when applying molten bitumen or poured asphalt, gloves must have long sleeves which can be attached to jacket sleeves in order to avoid accidental burns from a flow of molten bitumen.

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**\* SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1 Control parameters:**

- Exposure limit values: not applicable:
- Technical measures: when working in a confined space, make sure there is adequate ventilation, with air being renewed by at least 20 times the volume every hour. This is realised by sucking air away from workstations and an efficient general air extraction.

**8.2 Exposure controls:** when fixing the product with hot torches:

- Respiratory protection:
  - Not applicable to work outdoors.
  - For indoor work with adequate ventilation: wearing a mask with an A2/P3 filter in conformance with the norm EN 14387+A1.
- Skin and body protection:
  - Risk of being burnt directly (flame of the gas hot torch) or indirectly (molten bitumen) and being exposed to condensates of bitumen smoke on unprotected parts of the body (arms, legs) for which it is necessary to wear equipment (non-fusible gloves, for example made from leather), with long sleeves which can be attached to jacket sleeves when applying molten bitumen or poured asphalt, also in non-fusible materials.
  - Working outdoors exposes personnel to natural UV radiation.
- Eye protection:
  - Nothing in general;
  - When applying the membrane sheets to a white surface or to aluminium, protective sunglasses must be worn.

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**\* SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES****9.1 Information on basic physical and chemical properties**

- Appearance: solid and in variable forms at ambient temperature, paste to liquid when the temperature approaches the Ring and Ball (R&B) softening point (largely >100°C) ;
- Colour: black
- Odour: none.
- PH: not applicable;
- Flash point: not applicable (300°C);
- Auto-ignition temperature: >350°C;
- Upper/lower explosive limits: not applicable;
- Relative density (water = 1000 kg/m<sup>3</sup>) : 950 - 1500 kg/m<sup>3</sup> (20°C).

**9.2 Other information**

- Water solubility: non-miscible;
- Fat solubility: swells, eventually becomes soluble;

- Solubility in solvents: soluble in most organic solvents.

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\* **SECTION 10. STABILITY AND REACTIVITY**

**10.1 Reactivity:**

The mixture is stable if the recommended handling and storage conditions in Section 7 are applied.

**10.2 Chemical stability:**

The mixture is stable if the recommended handling and storage conditions in Section 7 are applied.

**10.3 Possibility of hazardous reactions:**

Not applicable.

**10.4 Conditions to avoid:**

None when used normally.

**10.5 Incompatible materials:**

None.

**10.6 Hazardous decomposition products:**

If exposed to high temperatures, the mixture may produce hazardous decomposition products, such as carbon monoxide, carbon dioxide, smoke, nitrogen oxides.

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\* **SECTION 11. TOXICOLOGICAL INFORMATION**

**11.1 Toxicological information:**

Information on toxicological effects: no data is available concerning the mixture itself.

Acute Toxicity:

- Following inhalation: none when used normally;
  - Following skin contact: none when used normally;
  - Following eye contact: none when used normally;
  - Following ingestion: none.
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\* **SECTION 12. ECOLOGICAL INFORMATION**

**12.1 Toxicity:**

No toxicological adverse effects on the environment are known or will ensue when used normally.

**12.2 Persistence and degradability:**

Not applicable

**12.3 Bioaccumulative potential:**

Not applicable

**12.4 Mobility in soil:**

Not applicable

**12.5 Results of PBT and vPvB assessment:**

No data is available concerning the mixture itself.

**12.6 Other adverse effects**

Not applicable

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**\* SECTION 13. DISPOSAL CONSIDERATIONS**

Nature of the waste products: BIW / Banal Industrial Waste, non-hazardous waste, non-inert waste.

Waste treatment methods: may be discharged to landfill or incinerated, subject to local regulations.

Contaminated packaging waste: the substance or mixture waste itself and any contaminated packaging waste must be disposed in conformance with the current local regulations at the time of disposal.

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**\* SECTION 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 Packaging Group:** Not applicable

**14.5 Environmental hazards:** Not applicable

**14.6 Special precautions for user:** Not applicable

**14.7 Transport in bulk according to Annex II of the MARPOL Convention 73/78 and the IBC Code:**

Not applicable

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**\* SECTION 15. REGULATORY INFORMATION**

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:**

Not applicable

**15.2 Chemical safety assessment:**

Not applicable

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**\* SECTION 16. OTHER INFORMATION**

**Revised:** Modified sections are marked with an asterisk (\*).

Important advice and remarks: it is recommended that the information supplied in this Voluntary Safety Data Sheet is given to users in an appropriate form.

The information supplied in this Voluntary Safety Data Sheet is based upon the present state of our knowledge and our experience.

The information supplied in this Sheet must be considered as a description of the security and safety requirements relative to our product and not a guarantee of the properties of our product.

It is always the responsibility of the user to take all the necessary measures to conform to the requirements of the law and local regulations.

Restrictions: the product must not be used for any other use than those specified above, without having previously obtained the necessary written handling/user instructions.

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