

Material Safety Data Sheet

AXTER BITUMEN WATERPROOFING MEMBRANES

Foreword

Regulation n° 1907/2006 on chemicals, also known as REACH, which has been applicable since 1st June 2007, requires the supply of safety data sheets for hazardous substances and classified mixtures or those containing more than 1% of a classified substance or a substance that has an exposure limit value in the European Union.

Bitumen waterproofing materials in rolls are articles that are not subject to the mandatory supply of a safety data sheet.

However, Axter wishes to supply its rolled products to users with a Voluntary Safety Data Sheet (VSDS) containing the 16 items identical to those of the MSDS in order to inform of the precautions to take when using them.

1. Identification of the substance / mixture and of the company / undertaking

1.1 Product identifier: bitumen products in rolls

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Identified uses: building waterproofing sheets in roll form to unroll and install by torch-on, adhesion, self-adhesion, hot air or mechanical fastening techniques. For products that are complementary to the sheets, especially adhesives, hot melt compound, please consult the SDS or VSDS for the corresponding products.

Uses advised against: None unless specified elsewhere in the VSDS.

1.3 Details of the supplier of the safety data sheet

Supplier

Axter Ltd, Harbour Landing, Fox's Marina, The Strand, Wherstead, Ipswich IP2 8NJ UK **Tel: +44 (0) 1473 724056, 8.00 am to 5.30 pm, Monday to Friday** Email: info@axterltd.co.uk

1.4 Emergency telephone

+ 44 1473 724056 (NOT 24HRS - 8am - 5.30pm, Monday Friday) In the event of a medical enquiry involving Axter bitumen materials, please contact your doctor or local hospital accident and emergency department.

2. Hazards identification

2.1 Classification of the substance or mixture:

The product is exempted from labelling in compliance with (CE) regulation n° 1907/2006- 1272/2008 covering the classification, packing and labelling of hazardous substances.

CE N°: not applicable.

2.2 Label elements:

None under (CE) regulation n° 1907/2006 - 1272/2008 and amendments.

2.3 Other hazards:

These products are combustible and may release harmful decomposition products (see art. 5.2 or 10.6). When applied using torch welding, vapours are released (see art. 8).

3. Composition / Information on ingredients

3.1 Substances: not applicable, this product is an article as defined by REACH.

3.2 Mixtures: not applicable, this product is an article as defined by REACH.

3.3 Article:

Article description: mineral or organic base with high molecular weight organic compounds: polymer modified bitumen.

Hazardous components: None under regulation (CE) n° 1907/2006 - 1272/2008 and amendments.

4. First aid measures

4.1 Description of first aid measures:

General advice: no hazards requiring special first aid measures.

Inhalation: inhalation risks are not relevant for outdoor works.

In the event of accidental inhalation of the vapours or decomposition products, take the person out into fresh air.

Skin contact:

DO NOT use diesel fuel, solvents or diluents.

There is a risk of burns when the product reaches its melting point through heating. In this case, plunge the burned part in cold water for 10 minutes. DO NOT attempt to remove clothing. Never remove the bitumen from the skin. Consult a doctor to have it removed and to treat the burns.

Eye contact: There is a risk of burns when the product reaches its melting point through heating.

In the event of contact with the eyes, immediately and abundantly wash using water and consult a specialist.

Ingestion: Not applicable

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

The symptoms are described in section 11.

Inhalation: None for normal use outdoors or in a ventilated space;

Skin contact: None for normal use;

Eye contact: None for normal use;

Ingestion: None.

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

Consider as a burn from contact with a hot to very hot solid.

5. Firefighting Measures

5.1 Extinguishing media:

Suitable extinguishing media: alcohol resistant foam, carbon dioxide (CO₂), powder, water spray (concentrate on the sides of the burning containers to cool them), dry non combustible material such as sand or soil.

Unsuitable extinguishing media: do not use a water hose.

5.2 Special hazards arising from the substance or mixture:

A fire will release thick black smoke. The exposure to decomposition products may constitute a health hazard.

5.3 Advice for fire-fighters: wear individual breathing apparatus.

Special method(s): cool closed packaging exposed to the fire using water. Prevent the fire-fighting effluents from entering drains and watercourses.

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures: Not applicable**6.2 Environmental precautions:**

Not applicable

6.3 Method and material for containment and cleaning up:

Place the residue in drums for elimination in compliance with applicable regulations (see section 13).

6.4 Reference to other sections:

Not applicable

7. Handling and Storage

7.1 Handling

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

Recommendations for use: rolls weighing more than 25 kg are to be handled either using mechanical handling machinery or manual gripping tools that limit the load to 25 kg per person. A specific symbol is placed on rolls weighing less than 25 kg. Use suitable working techniques, gestures and postures.

Technical measures: does not require any special technical protective measures.

7.2 Storage:

Conditions for safe storage, including any incompatibilities: keep away from heat / sparks / bare flames / hot surfaces. - Do not smoke.

Technical measures: Not applicable

Storage conditions: standing rolls. Keep in the original packaging.

Type of material to use for packaging / container: of the same type as the original packaging.

7.3 Specific end use(s):

When applying the product torch welding, melt-proof gloves must be worn (leather); in the case of application of melted bitumen or poured asphalt, the gloves must have sleeves overlapping the sleeves on clothing to avoid accidental burns due to a leak of melted bitumen.

8. Exposure controls / Personal protection**8.1 Control parameters:**

Exposure limits: Not applicable

Technical measures: when working in a confined space make sure that there is ventilation with air renewal of at least 20 times the volume per hour. This ventilation must be with an intake at each workstation and good general extraction.

8.2 Exposure controls when applying using torch welding:

Respiratory tracts protection:

Not applicable for outdoor work.

For interior work with ventilation: a mask type A2/P3 type compliant with the EN 14387+A1 standard must be worn.

Skin and body protection:

Risk of direct (gas flame) or indirect (melted bitumen) burns and exposure to bitumen fume condensate on unprotected areas (arms, legs) for which equipment is required (melt-proof gloves: leather for example), with sleeves connecting to the long sleeves of clothing when applying melted bitumen or poured asphalt, also in melt-proof material.

Work in the open air exposes staff to natural UV radiation as is the case for all outdoor work.

Eye protection:

Usually none;

In the case of applications of white or aluminium surface membranes, sunglasses must be worn.

9. Physical and Chemical Properties**9.1 Information on basic physical and chemical properties:**

Appearance: solid in variable shapes at room temperature, pasty to liquid when close to the Ring and Ball softening point temperature (significantly > 100°C);

Colour: black;

Smell: None;

PH: not applicable;

Flash point: not applicable (300°C);

Self igniting temperature: >350°C;

Explosiveness limit: not applicable;

Relative density (water = 1000 kg/m³): 950 1500 kg/m³ (20°C).

9.2 Other information:

Water solubility: non miscible;

Liposolubility: expands, eventually becomes soluble;

Solubility to solvents: soluble in most organic solvents.

10. Stability and Reactivity

10.1 Reactivity:

The mixture is stable under the handling and storage conditions recommended in section 7.

10.2 Chemical stability:

The mixture is stable under the handling and storage conditions recommended in section 7.

10.3 Possibility of hazardous reactions: Not applicable

10.4 Conditions to avoid: None in normal use.

10.5 Incompatible materials: None.

10.6 Hazardous decomposition products:

When exposed to high temperatures, the mixture can release hazardous decomposition products such as carbon monoxide and dioxide, smoke and nitrogen oxides.

11. Toxicological Information

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

Acute toxicity:

Inhalation: None for normal use;

Skin contact: None for normal use;

Eye contact: None for normal use;

Ingestion: None.

12. Ecological Information

12.1 Toxicity: There are no known or foreseeable toxicological effects on the environment in normal usage conditions.

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 on the mixture itself.

12.6 Other adverse effects: Not applicable

13. Disposal Considerations

Type of waste: Ordinary Industrial Waste / Non hazardous non inert waste.

Waste processing methods: can be disposed of in landfill or incinerated depending on local regulations.

Contaminated packaging: used waste and packaging should be processed according to local regulations.

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:** Not applicable
- 14.7 Transport in bulk according to Annex II of Marpol 73/78 and the IBC code:** Not applicable

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

16. Other Information

Important advice or remarks: it is recommended to communicate this Voluntary Safety Data Sheet in a suitable form to users.

The information contained in this Voluntary Safety Data Sheet is based on the current knowledge in our possession, and on our experience.

The information contained on this sheet should be considered to be a description of the safety requirements for our product and not as a guarantee of its properties.

It is always the user's responsibility to take all necessary measures to fulfil the requirements of local legislation and regulations.

Restrictions: the product should not be used for purposes other than those described above without first having obtained written handling instructions.

References and / or bibliography: Safety data sheets from different suppliers.

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