

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.

Section 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, selfadhesion, 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

Axter Ltd - +44 1473 724056

(this line is open from 8.00 am to 5.30 pm, Monday to Friday).

In the event of a medical enquiry involving this product, members of the public should contact:

NHS 111

a doctor or

a local hospital accident and emergency department.

The NPIS (National Poisons Information Service) helpline is available for enquiries from medical professionals only.

Tel: 0344 892 0111

Section 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).

Section 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.

Section 4: Description of 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.

Section 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 firefighters

Wear individual breathing apparatus.

Required special protective equipment for firefighters:

Cool closed packaging exposed to the fire using water. Prevent the fire-fighting effluents from entering drains and watercourses.

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 up

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

6.4 Reference to other sections

Not applicable

Section 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.

Section 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.

Section 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/m ³):	950 1500 kg/m ³ (20°C)

9.2 Other information:

Water solubility:	Non miscible
Liposolubility:	Expands, eventually becomes soluble
Solubility to solvents:	Soluble in most organic solvents

Section 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.

Section 11: Toxicological information

11.1 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 for normal use;

Section 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

Section 13: Disposal considerations

13.1 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.

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 Marpol 73/78 and the IBC code:	Not applicable

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

Section 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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The data contained in this SDS has been supplied as required by the EC REACH Regulation No. 1907/2006 and the EC Regulation No. 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) for the purpose of protecting the health and safety of industrial and commercial users who are deemed capable of understanding and acting on the information provided. Please ensure that it is passed to the appropriate person(s) in your company who are capable of acting on the information.

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