

Safety Data Sheet

MASTIC

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

Trade name: MASTIC

Use of the substance/mixture: Coating, sealing compound, adhesive composition

Manufacturer / supplier:

Axter Ltd
West Road
Ransomes Europark
Ipswich, Suffolk IP3 9SX
Tel: +44 1473 724056

E-Mail:

Info@axterltd.co.uk;

Emergency information

In the event of an urgent medical enquiry, contact your doctor or local hospital accident & emergency department

2. Hazards identification

Classification of the substance or mixture according to regulation (EC) No. 1272/2008 [CLP]:
Not classified as hazardous

Additional information:
None

Label elements according to regulation (EC) No. 1272/2008 [CLP]
Not applicable

Signal word:

Hazardous components which must be listed on the label:
Not applicable

Special labelling of certain mixtures:

Classification of the substance or mixture according to regulation (EC) No. 1999/45/EC
None

3. Composition/information on ingredients

Mixtures

Hazardous components:

CAS-No. EC-No. REACH-No.	Chemical name Classification according to 67/548/EWG Classification according to regulation (EC) No. 1272/2008 [CLP]	Quantity
8052-42-4 232-490-9 01-21194-80172-44	Bitumen	50 -100 %

(Full text of R and H phrases: see Section 16)

4. Description of first aid measures

General information:

In case of accident or if you feel unwell, seek medical advice immediately (show safety data sheet if possible).

After inhalation:

In case of accident by inhalation: remove casualty to fresh air and keep at rest. In case of irritation of the respiratory tract seek medical advice.

After contact with skin:

Following contact with the melted product, quickly cool affected skin area with water for 15 to 20 minutes. Take off immediately all contaminated clothing. Do not attempt to remove congealed product from skin. Burns caused by molten material must be treated clinically.

After contact with eyes:

Rinse immediately carefully and thoroughly with eye-bath or water for 10 to 15 minutes. In case of troubles or persistent symptoms, consult an ophthalmologist.

After ingestion:

Rinse mouth thoroughly with water. Let water be swallowed in little sips (dilution effect). Do not induce vomiting.

Medical treatment:

Symptoms:

No information available.

Treatment:

Treat symptomatically

5. Firefighting measures

Suitable extinguishing media:Carbon dioxide (CO₂). Dry extinguishing powder. alcohol resistant foam. Atomized water. Sand.**Unsuitable extinguishing media:**

High power water jet

Special hazards arising from the substance or mixture:

Can be released in case of fire: toxic fumes.

Hazardous combustion products:e.g. Carbon monoxide. Carbon dioxide (CO₂). Sulphur oxides, different organic and inorganic compounds**Special protective equipment for fire-fighters:**

Wear a self-contained breathing apparatus and suitable protective suits.

Additional information:

Collect contaminated fire extinguishing water separately. Do not allow it to enter drains or surface water. Extinguishing materials should be selected according to the surrounding area. Use water spray/stream to protect personnel and to cool endangered containers.

6. Accidental release measures

Personal precautions:

Wear suitable protective clothing. Avoid contact of hot fluent material with skin and eyes. Provide for sufficient ventilation.

Environmental precautions:

Do not empty into drains or the aquatic environment. Mechanical action of the product (e.g. unwanted adherence) may cause damages.

Methods and material for containment and cleaning up:

Allow stiffening. Collect mechanically. Treat the assimilated material according to the section on waste disposal. Clean contaminated objects and areas thoroughly observing environmental regulations.

7. Handling and storage

Advice on safe handling:

Provide for sufficient ventilation. Do not overheat above flash point. The valid precautions for dealing with hot fluent products must be taken. Prevent water admission to hot fluent product.

Advice on protection against fire and explosion:

Do not overheat above flash point. Risk of explosion occurs if the material is heated above flash point, especially in closed containers.

Environmental precautions:

Do not empty into drains or the aquatic environment.

Requirements for storage rooms and vessels:

Keep away from foodstuffs.

Advice on storage compatibility:	Do not store together with: Explosives. Oxidizing solids. Oxidizing liquids. Radioactive substances. Infectious substances. Food and animal feed.
Further information on storage conditions:	Ensure adequate ventilation of the storage area.
Further information on storage conditions:	None.

8. Exposure controls/personal protection

Control parameters Exposure limits (EH40)

CAS-No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
8052-42-4	Bitumen, petroleum fumes		5 10		TWA (8h) STEL (15 min)	WEL WEL

Biological limits

None

DNEL-/PNEC-Values

No DNEL-/PNEC values determined.

Exposure controls:

Technical measures and the use of suitable working technique, given in section 7, should be favoured over the use of personal protective equipment

Personal protective equipment



Eye/ face protection:

Wear safety glasses; chemical goggles (if splashing is possible).
DIN 166

Skin protection:

Hand protection: Wear suitable gloves. (heat-resistant.)
Body protection: Suitable long-sleeve protective clothes and safety shoes.

Respiratory protection:

With correct and proper use, and under normal conditions, breathing protection is not required. Respiratory protection required in case of: exceeding critical value. Generation/formation of aerosols.
Suitable respiratory protective equipment:
Combination filter device (DIN EN 141).. Type : AP.

9. Physical and chemical properties

Appearance:

Physical state:	at room temperature solid
Colour:	black
Odour:	bitumen like

Safety related data

pH-Value:	not applicable
Initial boiling point and boiling range:	> 320 °C
Flash point:	> 230°C
Ignition temperature:	The product has no explosive properties, but it is possible to get dangerous vapour-air-mixtures, when heated above flash point.
Explosive properties:	

Explosion limits:	< 1 hPa
Vapour pressure at 20 °C:	ca. 0,98 g/cm ³
Density at 25 °C:	insoluble
Water solubility:	mixable with most organic solvent cleaners
Solubility in other solvents:	
Viscosity at 23 °C:	70 - 110 °C (EN 1427)
Melting point/ melting range:	

10. Stability and reactivity

Reactivity:

No information available.

Chemical stability:

Stable under normal storage and handling conditions.

Possibility of hazardous reactions:

No information available.

Conditions to avoid:

Do not heat above flash point. Avoid influx of water to hot fluent product.

Incompatible materials:

Materials to avoid: Oxidizing agents, strong.

Hazardous decomposition products:

Carbon monoxide. Carbon dioxide (CO₂). Sulfur oxides.

11. Toxicological information

The preparation has not been tested for toxicological effects. Based on the known effects of the ingredients, the product is classified for human health effects as indicated below in accordance to 1999/45/EC. Referring to the producers experience there are no additional hazards to be expected.

Information on the ingredients

Chemical name	CAS	EC-No	Method	Dose	Species
Bitumen	8042-42-4	232-490-9	LD.50 oral LD.50 dermal	> 5000 mg/kg > 2000 mg/kg	rat rbt

Acute oral toxicity:

slight toxicity

Acute dermal toxicity:

very slight toxicity.

Acute inhalative toxicity:

In case of inhalation of fumes slight toxicity.

Irritation on eyes:	Slightly irritating. Hot fluent product may cause severe injury on eyes or blindness.
Irritation on skin:	In rare cases the product may cause temporary erythrodermia. Based on available data, the classification criteria are not met.
Sensitising effects:	Product is: no danger of sensitization
Mutagenic effects for reproduction:	No evidence for: In-vitro mutagenicity.
Carcinogenicity:	No evidence for: Carcinogenicity
Toxic effects for reproduction:	No evidence for: Toxic effects for reproduction.
Aspiration hazard:	Based on available data, the classification criteria are not met.

12. Ecological information

CAS-No	Chemical name	Toxicological data
8052-42-4	Bitumen	LL/EL/IL50: > 100 mg/l (Fish) LL/EL/IL50: > 100 mg/l (Microorganism) LL/EL/IL50: > 100 mg/l (Alga/aquatic plants)

Aquatic toxicity:	No indication of toxic effects
Persistence and biodegradability:	
Abiotic biodegradability:	No easy biodegradability
Bioaccumulative potential:	No indication of bio-accumulation potential.
Mobility in soil:	Because of the material consistency no disperse distribution in the environment is possible. So regarding to our today's knowledge negative ecological effects have to be expected.

Results of PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

Further information

None.

13. Waste treatment methods

Advice on disposal:

Waste disposal according to official state regulations. Consult the local waste disposal expert about waste disposal. Cleaned containers may be recycled.

Waste disposal number:

17 03 02 (Bituminous mixtures containing other than those mentioned in 17 03 01)

Waste disposal number of contaminated packaging:

Consult the local waste disposal expert about waste disposal.

14. Transport information

Land transport ADR / RID:

Class:	9
Hazard label:	9
UN-Number:	3257
Packing group:	III
Hazard No:	99
Proper shipping name:	ELEVATED TEMPERATURE LIQUID, N.O.S. (Bitumen)
Special Provisions:	
Classification code:	M9
Tunnel restriction code:	D
Environmentally hazardous:	
Further information:	If transported in hot fluent conditions > 100 ° C

Inland waterways transport ADN:

Class:	
Hazard label:	
UN-Number:	
Packing group:	
Proper shipping name:	
Special Provisions:	
Classification code:	
Environmentally hazardous:	
Further information	

Marine transport IMDG / GGVSee:

Class:	
Hazard label:	
UN-Number:	
Packing group:	
EMS-Number:	
Marine Pollutant	
Proper Shipping Name:	

Air transport ICAO-TI and IATA-DGR:

Class:	
UN-Number:	
Packing group:	
Proper Shipping Name:	

At ambient temperature no dangerous good according to the transport regulations.

15. Regulatory information

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

EU regulatory information

Additional information:

The preparation is not dangerous in the sense of Directive 1999/45/EC.

This mixture is classified as not hazardous according to Regulation (EC) 1272/2008 [GHS].

[DE] National regulatory information

Notes on the restriction of employment: MuSchRiV (not applicable).
JArbSchG (not applicable).

Organisation's safety regulations (air): Follow the guidelines

Water contaminating class (WGK): nwg - not water contaminating

Technical rules for hazardous materials:

Rules of the occupation cooperative (BGV):

Other rules, restrictions or limitations:

Chemical safety assessment

For this substance a chemical safety assessment has not been carried out.

16. Other information

Full text of the R-phrases in section 2 and 3:

Full text of the H-phrases in section 2 and 3:

The information provided in this document is accurate to the best of our knowledge. The document does not constitute a specification and Axter takes no responsibility for the suitability of the product in a particular use. It is the user's responsibility to ensure that the product is suitable for the intended application and use and to take the necessary precautions to ensure that during handling, storage and installation of the product, all regulations to guarantee safety of people and the environment are observed. For further information or technical design assistance, contact Axter Ltd.