


**SAFETY DATA SHEET  
MASTIC HYRENE**

91/155/EC (3 APT) - ISO 11014-1

	
<b>1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING</b>	
1.1 Product name:	<b>MASTIC HYRENE</b>
1.2 Uses or/and applications:	bituminous cement
1.3 Supplier:	AXTER 8, avenue Félix d'Herelle F 75016 PARIS France Tel: 01 46 09 39 60
1.4 Emergency phone number :	FR - INRS Tél: 01.45.42.59.59 UK - National Poisons Information Service Phone: 44 / 191 22 5131 B - Centre Antipoisons Tél: +32 (0) 270 245 245
<b>2. COMPOSITION / INFORMATION ON INGREDIENTS</b>	
2.1 Description of the preparation:	Mixture of: Bitumen, mineral loads and solvents.
2.2 Component(s) contributing to the hazard:	• Naphtha (petroleum), hydrotreated heavy; Low boiling point hydrogen treated naphtha - CAS no: 64742-48-9 - EC no: 265-150-3 Conc. wt.(%): 20 < C <= 25 - Symbol(s): Xn - R-phrases(s): 10-65-66
<b>3. HAZARDS IDENTIFICATION</b>	
3.1 Most important hazards:	Flammable. Repeated exposure may cause skin dryness or cracking
3.2 Specific hazards:	none
<b>4. FIRST AID MEASURES</b>	
4.1 General advice:	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
4.2 Inhalation :	Remove to fresh air, keep the patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration. Give nothing by mouth. If unconscious, place in the recovery position and seek medical advice.
4.3 Skin contact:	Remove contaminated clothing. Wash skin thoroughly with soap and water or use a proprietary skin cleaner. Do NOT use solvents or thinners.
4.4 Eye contact:	Contact lenses should be removed. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart, and seek medical advice.
4.5 Ingestion :	If accidentally swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.
<b>5. FIRE-FIGHTING MEASURES</b>	
5.1 Suitable extinguishing media:	alcohol-resistant foam, carbon dioxide (CO <sub>2</sub> ), powder.
5.2 Extinguishing media which must NOT be used for safety reasons:	Do not use water jet.
5.3 Specific method(s):	Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses.
5.4 Specific fire hazard(s):	Fire will produce dense black smoke. Decomposition products may be a hazard to health. Appropriate self-contained breathing apparatus may be required.
5.5 Special protective equipment for fire-fighters:	Wear a self contained breathing apparatus.
<b>6. ACCIDENTAL RELEASE MEASURES</b>	
6.1 Personal precaution(s):	Exclude sources of ignition and ventilate the area. Exclude non-essential personnel. Avoid breathing vapours. Refer to protective measures listed in Sections 7 and 8.
6.2 Environmental precaution(s):	Do not allow to enter drains or water courses. If the product enters drains or sewers the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the National Rivers Authority.
6.3 Method(s) for cleaning up:	Contain and collect spillages with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth Place in a suitable container for disposal in accordance with the waste regulations (see Section 13). Clean preferably with a detergent - Avoid the use of solvents.

<b>7. HANDLING AND STORAGE</b>	
<b>7.1 Handling</b>	
<ul style="list-style-type: none"> <li>▪ Precaution(s):</li> </ul>	<p>Vapours are heavier than air and may spread along floors. They may form explosive mixtures with air.</p> <p>Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentrations higher than the occupational exposure limits. Smoking, eating and drinking should be prohibited in areas of storage and use. For personal protection, see Section 8.</p> <p>The Manual Handling Operations Regulations may apply to the handling of containers of this product. Refer to the guide weight indicated on the container when carrying out assessments.</p>
<ul style="list-style-type: none"> <li>▪ Technical condition(s):</li> </ul>	<p>The product should only be used in areas from which all naked lights and other sources of ignition have been excluded.</p> <p>Electrical equipment should be protected to the appropriate standard.</p>
<ul style="list-style-type: none"> <li>▪ Safe handling advice(s):</li> </ul>	<p>Keep the container tightly closed. Exclude sources of heat, sparks and open flame. Non-sparking tools should be used.</p> <p>Never use pressure to empty: the container is not a pressure vessel. Always keep in containers made of the same material as the supply container.</p>
<b>7.2 Storage</b>	
<ul style="list-style-type: none"> <li>▪ Precaution(s):</li> </ul>	<p>Observe the label precautions.</p> <p>No smoking. Prevent unauthorised access.</p>
<ul style="list-style-type: none"> <li>▪ Storage condition(s):</li> </ul>	<p>Store in a dry, well ventilated place away from sources of heat, ignition and direct sunlight.</p> <p>Containers which are opened should be properly resealed and kept upright to prevent leakage.</p>
<ul style="list-style-type: none"> <li>▪ Separation of incompatible product(s):</li> </ul>	<p>Store separately from oxidising agents and strongly alkaline and strongly acidic materials.</p>
<ul style="list-style-type: none"> <li>▪ Packaging / tank material:</li> </ul>	<p>made of the same material as the supply container.</p>
<b>8. EXPOSURE CONTROLS / PERSONAL PROTECTION</b>	
<b>8.1 Engineering measure(s):</b>	<p>Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and/or solvent vapours below the relevant occupational exposure limits, suitable respiratory protective equipment should be worn.</p>
<b>8.2 Control parameter(s):</b>	
<ul style="list-style-type: none"> <li>▪ Exposure limit(s):</li> </ul>	<p>T.L.V.= 1500 mg/m<sup>3</sup></p>
<b>8.3 Personal protection equipment:</b>	
<ul style="list-style-type: none"> <li>▪ Respiratory protection:</li> </ul>	<p>Air-fed respiratory protective equipment should be worn when this product is sprayed if the exposure of the sprayer or other people nearby cannot be controlled to below the occupational exposure limit</p>
<ul style="list-style-type: none"> <li>▪ Hand protection:</li> </ul>	<p>Barrier creams may help to protect exposed areas of the skin but are not substitutes for full physical protection. They should not be applied once exposure has occurred.</p> <p>When skin exposure may occur, advice should be sought from glove suppliers on appropriate types. butyl rubber gloves</p>
<ul style="list-style-type: none"> <li>▪ Skin and body protection:</li> </ul>	<p>Wear suitable protective clothing</p>
<ul style="list-style-type: none"> <li>▪ Eye protection:</li> </ul>	<p>Eye protection designed to protect against liquid splashes should be worn.</p>
<b>9. PHYSICAL AND CHEMICAL PROPERTIES</b>	
<b>9.1 General information :</b>	
<ul style="list-style-type: none"> <li>▪ Physical state / form:</li> <li>▪ Colour:</li> <li>▪ Odour:</li> </ul>	<p>liquid viscous</p> <p>Black</p> <p>aromatic</p>
<b>9.2 Important health,safety and environmental information</b>	
<ul style="list-style-type: none"> <li>▪ PH :</li> <li>▪ Boiling point/range:</li> <li>▪ Flash point:</li> </ul>	<p>Not applicable</p> <p>Not determined</p> <p>41°C</p>
<ul style="list-style-type: none"> <li>▪ Auto-ignition temperature:</li> <li>▪ Explosion limits:</li> <li>▪ Relative density (water = 1):</li> </ul>	<p>&gt;230°C</p> <p>%Vol in air 0.7-7%</p> <p>1.20</p>
<ul style="list-style-type: none"> <li>▪ Viscosity:</li> </ul>	<p>Viscosity at 25°C (NFT 30029 ) : 19500 cps ± 2500</p>
<ul style="list-style-type: none"> <li>▪ Water solubility:</li> <li>▪ Fat solubility:</li> <li>▪ Solvent solubility:</li> </ul>	<p>insoluble</p> <p>partly soluble</p> <p>Soluble in hydrocarbons</p>
<b>10. STABILITY AND REACTIVITY</b>	
<b>10.1 Stability:</b>	<p>Stable under the recommended storage and handling conditions. (See Section 7).</p>
<b>10.2 Material(s) to avoid:</b>	<p>Keep away from oxidising agents and strongly alkaline and strongly acidic materials to prevent the possibility of exothermic reaction.</p>

10.3	Hazardous decomposition products:	When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, NxOy
<b>11. TOXICOLOGICAL INFORMATION</b>		
11.1	General information(s):	There is no data available on the product itself.
11.2	Acute toxicity	Exposure to organic solvent vapours may result in adverse health effects such as irritation of the mucous membrane and the respiratory system and adverse effects on the renal and central nervous systems.. Symptoms include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated or prolonged contact with the product may lead to removal of natural fats from the skin resulting in non-allergic contact dermatitis and absorption through the skin. Splashes in the eyes may cause irritation and reversible local damage. No data available.
	▪ Inhalation:	
	▪ Skin contact:	
	▪ Eyes contact:	
	▪ Ingestion:	
<b>12. ECOLOGICAL INFORMATION</b>		
12.1	General information(s):	There is no data available on the product itself. The product should not be allowed to enter drains or water courses or be deposited where it can affect ground or surface waters.
12.2	Environmental toxicity:	Ecological problems are not known or expected under normal use.
<b>13. DISPOSAL CONSIDERATIONS</b>		
13.1	Waste / unused products:	Do not allow into drains or water courses or dispose of where ground or surface waters may be affected.
13.2	Contaminated packaging:	Dirty containers cannot be handle as normal waste. Dispose as dangerous waste. Do not burn, or use a cutting torch on the empty drum.
13.3	Local / national disposal regulation(s):	
13.4	Waste to eliminate according to chemical waste law:	France: 08 04 09* déchets de colles et mastics contenant des solvants organiques
13.5	Further Information(s):	
<b>14. TRANSPORT INFORMATION</b>		
14.1	General information(s):	Not classified as dangerous in the meaning of transport regulations.
14.2	UN N°	
14.3	Land (Road / Railway: ADR/RID) :	
14.4	Sea (IMDG) :	
14.5	Air (ICAO/IATA) :	
<b>15. REGULATORY INFORMATION</b>		
15.1	Labelling:	According to european directives on classification, packaging and labelling of dangerous substances
15.2	EC number:	Not applicable
15.3	Symbol(s):	None according to EC directives.
15.4	R-pharse(s):	10 Flammable.
15.5	S-pharse(s):	16 Keep away from sources of ignition - No smoking. 23 Do not breathe gas / fumes / vapour / spray. 24/25 Avoid contact with skin and eyes. 29 Do not empty into drains. 43 In case of fire, use a powder or foam type fire extinguisher, not to use water. 62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.
15.6	Important remarks:	Tableau des maladies professionnelles (F) .
<b>16. OTHER INFORMATION</b>		
16.1	According legislation(s):	Information in this safety data sheet is in compliance with national laws and CE directives. Item nr 2 : R-pharse(s) R10 Flammable. R65 Harmful: may cause lung damage if swallowed. R66 Repeated exposure may cause skin dryness or cracking
16.2	Important remarks:	As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with. The user is always responsible for ensuring that the requirements of relevant legislation are complied with. The information contained in this safety data sheet is based on the present state of knowledge and current national legislation it provides guidance on health safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.

16.3	Uses or/and applications:	bituminous cement
16.4	Restrictions:	The product should not be used for purposes other than those shown in Section 16 without first referring to the supplier and obtaining written handling instructions.
16.5	History :	
	▪ First edition date:	09/12/05
	▪ Version :	1
	▪ Written by:	P. GAUVIN