



## MATERIAL SAFETY DATA SHEET

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### 1) IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

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Identification of substance	M-Seal
Product description	Mastic sealant used to seal the joints between adjacent units of drainage channels
Manufacturer/Supplier	Marshalls Mono Ltd Landscape House Premier Way Lowfields Business Park ELLAND HX5 9HT
Telephone number	(01422) 312000

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### 2) HAZARDS IDENTIFICATION

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Most important hazards	None
Specific hazards	None

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### 3) COMPOSITION/INFORMATION ON INGREDIENTS

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Description of the preparation	Mixture of Aliphatic hydrocarbons, minerals and bitumen
Component contributing to the hazard	Naptha (petroleum), hydrotreated heavy; low boiling point hydrogen treated naptha – CE nr::265-150-3 – CAS nr:: 64742-48-9 Conc. (weight %):(%) : 5<C<= 10 – Symbols: Xn – R-phrases: 10-65-66 Distillates (petroleum), hydrotreated light; Kerosine – CE nr:: 265-149-8 – CAS nr:: 64742-47-8 Conc. (weight %):(%) : 0<C<=5 – Symbols: Xn – R-phrases: 65-66

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### 4) FIRST AID MEASURES

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General advice	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
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.
Skin contact	Remove contaminated clothing. Wash skin thoroughly with soap and water or use a proprietary skin cleaner. Do NOT use solvents or thinners.
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.
Ingestion	If accidentally swallowed obtain immediate medical attention. Keep at rest. DO NOT induce vomiting.

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## 5) FIRE-FIGHTING MEASURES

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Suitable extinguishing media	Alcohol-resistant foam, carbon dioxide (CO <sub>2</sub> ), powder, water spray.
Extinguishing media which must NOT be used for safety reasons	Do not use water jet.
Specific method	Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses.
Specific fire hazard	As the product contains combustible organic components: <ul style="list-style-type: none"><li>- Fire will produce dense black smoke.</li><li>- Decomposition products may be a hazard to health.</li></ul> Appropriate self-contained breathing apparatus may be required.
Special protective equipment for fire-fighters	Use a self-contained breathing apparatus and also protective suit.

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## 6) ACCIDENTAL RELEASE MEASURES

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Personal precaution	As the product contains combustible organic components, exclude sources of ignition and ventilate the area. Exclude non-essential personnel. Avoid breathing vapours.
Environmental precaution	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.
Method for cleaning up	Contain and collect spillages with non-combustible absorbent materials eg: sand, earth, vermiculite, diatomaceous earth. Place in a suitable container for disposal in accordance with the waste regulations. Clean preferably with a detergent. Avoid the use of solvents.

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## 7) HANDLING AND STORAGE

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Handling	
<ul style="list-style-type: none"><li>• Precaution</li></ul>	As the product contains combustible organic components. Vapours are heavier than air and may spread along floors. They may form explosive mixtures with air. 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 is prohibited in areas of storage and use. 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.
<ul style="list-style-type: none"><li>• Technical condition</li></ul>	The product should only be used in areas from which all naked light and other sources of ignition have been excluded. Electrical equipment should be protected to the appropriate standard.
<ul style="list-style-type: none"><li>• Safe handling advice</li></ul>	Keep the container tightly closed. Exclude sources of heat, sparks and open flame. Non-sparking tools should be used. Avoid skin and eye contact. Avoid inhalation of vapour and spray mist. Never use pressure to empty, the container is not a pressure vessel. Always keep in containers made of the same materials as the supply container.
Storage	
<ul style="list-style-type: none"><li>• Precaution</li></ul>	Observe the label precautions. No smoking. Prevent unauthorized access.
<ul style="list-style-type: none"><li>• Storage condition</li></ul>	Store at temperatures between 0°C and 35°C. Containers which are opened should be properly resealed and kept upright to prevent leakage.
<ul style="list-style-type: none"><li>• Packaging/tank material</li></ul>	Made of the same material as the supply container.

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## 8) EXPOSURE CONTROLS/PERSONAL PROTECTION

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Engineering measure	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 particulars and/or solvent vapours below the relevant occupational exposure limits, suitable respiratory protective equipment should be worn.
Control parameter	
• Exposure limit	Values according to compound nr: 1 – T.L.V.-T.W.A. = 100ppm
Personal protection equipment	
• Respiratory protection	Use in case of higher concentration breathing apparatus with filter A2.
• Hand protection	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. When skin exposure may occur, advice should be sought from glove suppliers on appropriate types, nitrile gloves, neoprene gloves, latex gloves.
• Skin and body protection	The personnel should wear protective clothing.
• Eye protection	Eye protection designed to protect against liquid splashes should be worn.
Hygiene measure	Do not eat, drink or smoke during work.

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## 9) PHYSICAL AND CHEMICAL PROPERTIES

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General information	
• Appearance	Paste
• Colour	Black
• Odour	Aliphatic-like
Important health, safety and environmental information	
• pH	Not applicable
• Boiling point/range	Not determined
• Flash point	56°C
• Explosion limits	Not available
• Relative density (water = 1)	1.3
• Water solubility	Immiscible
• Fat solubility	Not applicable
• Solvent solubility	Partly soluble

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## 10) STABILITY AND REACTIVITY

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Stability	Stable under the recommended storage and handling conditions.
Hazardous decomposition products	Hazardous decomposition products may be released during prolonged heating like smoke, carbon monoxide and dioxide.

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## 11) TOXICOLOGICAL INFORMATION

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General information	There is no data available on the product itself.
Acute toxicity	
• Inhalation	Repeated or prolonged exposure may cause headache, difficulty in breathing, dizziness, irritation of mucous membranes and drowsiness.
• Skin contact	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.
• Eyes contact	Splashes to the eyes may cause irritation and reversible local damage.
• Ingestion	There is no data available on the product itself.

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## 12) ECOLOGICAL INFORMATION

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General information	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.
Environmental toxicity	There is no data on the product itself
Other adverse effects	

### 13) DISPOSAL CONSIDERATIONS

Waste/unused products	Do not allow into drains or water courses or dispose of where ground or surface waters may be affected.
Contaminated packaging	Wastes, including emptied containers, are controlled wastes and should be disposed of in accordance with regulations made under the Control of Pollution Act and the Environmental Protection Act.
Further information	

### 14) TRANSPORT INFORMATION

UN Number	1268
Land (Road/Railway: ADR/RID)	
<ul style="list-style-type: none"> <li>• Proper Shipping name</li> <li>• Hazard class</li> <li>• Packaging group</li> <li>• ADR/RID-Labels</li> <li>• Classification code</li> <li>• Packaging instructions</li> </ul>	PETROLEUM PRODUCTS, N.O.S. (Aliphatical white spirit) 3 III 3 F1 exemption according 2.2.3.1.5.
Sea (IMDG)	
<ul style="list-style-type: none"> <li>• Proper shipping name</li> <li>• Class</li> <li>• Packaging group</li> <li>• INDG-Labels</li> <li>• Packaging instructions</li> </ul>	PETROLEUM PRODUCTS, N.O.S. 3 III 3 exemption according 2.2.3.1.5.
Air (ICAO/IATA)	

### 15) REGULATORY INFORMATION

EC number	Not applicable
Symbol	None according to EC directives
R-phrases	None according to EC directives
S-phrases	None according to EC directives
Further information	VOC limit value (cat A/i) 600 g/L 2007; 500 g/L 2010 Product contains 150 g/L

### 16) OTHER INFORMATION

Accordinging legislation	Health & Safety at Work etc Act 1974 Consumer Protection Act 1987 Control of Substances Hazardous to Health Regulations (COSHH) 2002 Control of Substances Hazardous to Health (Amendment) Regulations 2004 Environmental Protection Act 1990 HSE Guidance Note EH40 (Workplace Exposure Limits) Manual Handling Operations Regulations 1992 (as amended) Chemicals (Hazard Information and Packaging for Supply) Regulation 2009
Text of R-phrases	R10 Flammable R65 Harmful. May cause lung damage if swallowed. R66 Repeated exposure may cause skin dryness or cracking.
Important remarks	EH40: Workplace Exposure Limits A step-by-step guide to COSHH Assessment (HS(G)97)

As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring 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.

Use of the substance/preparation  
Restrictions  
Compound to sealing drainage channel joints.  
The product should not be used for purposes other than those shown without referring to the supplier and obtaining handling instructions.

History

i.	First edition date	01/10/2009
ii.	Previous revision date	01/10/2009
iii.	Review date	01/01/2016
iv.	Version	1

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