



SAFETY DATA SHEET

COAL TAR SOLUTION

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY:

PRODUCT NAME: COAL TAR SOLUTION
PART No.: RM080
SUPPLIER: J M Loveridge plc
Southbrook Road, Southampton
Hampshire
SO15 1BH
Tel: 023 8022 2008
Fax: 023 8022 2117

2. COMPOSITION/INFORMATION ON INGREDIENTS:

NAME			CONTENT
CAS No.:	EINECS Nr.:	CLASSIFICATION	
ETHANOL 64-17-5	200-578-6	F R-11	60-100 %
METHANOL 67-56-1	200-659-6	T ,F R-11, 23/24/25, 39/23/24/25	1-5 %
COAL TAR 65996-84-1	266-018-8	T R-45 Carc2	10-30 %

The Full Text for all R-Phrases are Displayed in Section 16

COMPOSITION COMMENTS: Coal tar component is a complex mixture of aromatic hydrocarbons, phenolic compounds and coal tar pitch. The mixture may also contain benzo[a]-pyrene and benzo[b+j+k]-fluoranthene.

3. HAZARDS IDENTIFICATION:

Highly flammable. Harmful by inhalation, in contact with skin and if swallowed. May cause cancer. Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed. Carcinogen Category 2. Mutagen Category 3.

Coal tar component of the preparation is classified as Carcinogen Category 2.

4. FIRST AID MEASURES:

GENERAL: IN ALL CASES OF DOUBT OR WHEN SYMPTOMS PERSIST, ALWAYS SEEK MEDICAL ATTENTION

INHALATION:	Remove affected person from exposure, rest and keep warm. If recovery not rapid or complete seek medical attention.
INGESTION:	DO NOT INDUCE VOMITING. In case of spontaneous vomiting, be sure that vomit can freely drain because of danger of suffocation. Only when conscious, rinse mouth with plenty of water and give plenty of water to drink - (approx 500ml). Keep patient at rest and obtain medical attention.
SKIN:	Remove contaminated clothing. Wash affected area with plenty of soap and water. Do not use solvents. Obtain medical attention. Launder clothing before re-use.
EYES:	Rinse immediately with plenty of water for at least 5 minutes while lifting the eye lids. Seek medical attention. Continue to rinse.

5. FIRE FIGHTING MEASURES:

EXTINGUISHING MEDIA:	Water spray, fog or mist, carbon dioxide (CO2), alcohol resistant foam, dry chemicals, sand, dolomite etc.
SPECIAL FIRE FIGHTING PROCEDURES:	Take measures to retain water used for extinguishing. Do not release contaminated water into drains, soil and surface water. Dispose of contaminated water and soil according to local regulations.
HAZARDOUS COMBUSTION PRODUCTS:	Burning may release oxides of carbon and other hazardous gases or vapours.
PROTECTIVE MEASURES IN FIRE:	Fire fighters should wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES:

PERSONAL PRECAUTION IN SPILL:	Wear appropriate protective clothing. Eliminate all sources of ignition. Avoid direct contact with skin, eyes and clothing. Ventilate area to dispel residual vapour or fumes.
PRECAUTIONS TO PROTECT ENVIRONMENT:	Prevent material from entering drains or water courses. Advise the Environment Agency or relevant local authority if contamination of soil or water systems occurs.
SPILL CLEANUP METHODS:	Take-up spillage with absorbent, inert material and place in a suitable and closable labelled container for recovery or disposal.

7. HANDLING AND STORAGE:

USAGE PRECAUTIONS:	HANDLING - Product should be used in accordance with good industrial principles for handling and storing of hazardous chemicals. Avoid vapour formation and ignition sources. Avoid contact with skin or eyes. Avoid vapour inhalation.
STORAGE PRECAUTIONS:	Store in a cool, dry, well ventilated place, in securely closed original container. Store away from sources of heat or ignition.
STORAGE CRITERIA:	Flammable liquid storage.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

INGREDIENT NAME:	CAS No.:	STD	LT EXP 8 Hrs	ST EXP 15 Min
ETHANOL	64-17-5	OES	1000 ppm	No std.
METHANOL	67-56-1	OES	200 ppm(Sk)	250 ppm(Sk)

RESPIRATORS:	Respiratory protection required in insufficiently ventilated working areas. For short periods of work, a suitable RPE fitted with a combination charcoal or organic vapour cartridge is recommended.
PROTECTIVE GLOVES:	Use impervious gloves.
EYE PROTECTION:	Approved chemical safety goggles or face protection.
OTHER PROTECTION:	Wear personal protective equipment appropriate to the quantity of material handled.
HYGIENIC WORK PRACTICES:	SKIN PROTECTION - apply barrier cream to hands and exposed skin. Apply good personal hygiene principles, such as washing of hands, arms and face.

9. PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE:	Dark brown to black mobile liquid.		
ODOUR/TASTE:	Characteristic pitch/tar odour.		
DENSITY/SPECIFIC GRAVITY (g/ml):	~ 0.83 - 0.85	Temperature (°C):	20
FLASH POINT (°C):	18 °C	Method:	

10. STABILITY AND REACTIVITY:

STABILITY:	Stable under normal conditions of use.
MATERIALS TO AVOID:	Oxidising agents.
HAZARDOUS DECOMP. PRODUCTS:	Thermal decomposition or burning may release oxides of carbon or other hazardous gases, acrid smoke and irritating fumes.

11. TOXICOLOGICAL INFORMATION:

TOXICOLOGICAL INFORMATION:	Prolonged or repeated contact with skin may result in the occurrence of tar warts, which may develop into skin cancer.
INHALATION:	Irritating to mucous membranes.
INGESTION:	May cause nausea, vomiting, abdominal pain, drowsiness. High ethanol content may cause intoxication.
SKIN:	Prolonged or repeated exposure may cause severe irritation.
EYES:	Irritating to eyes.
HEALTH WARNINGS:	Acute effects include headache and nausea.
OTHER HEALTH EFFECTS:	Chronic effects - exposure to high concentrations may result in damage to internal organs.

12. ECOLOGICAL INFORMATION:

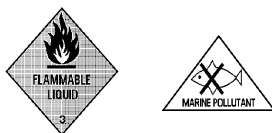
ECOLOGICAL INFORMATION:	Avoid release to the environment. No specific information available, but material is expected to have adverse effect on the environment. Coal tar component is classified as marine pollutant.
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13. DISPOSAL CONSIDERATIONS:

DISPOSAL METHODS: This material and/or its container must be disposed of as hazardous waste according to Special Waste Regulations 1996 or according to local regulations, in compliance with Duty of Care Regulations and Special Waste Regulations.

WASTE CLASS: WASTE CODE: 0705** HAZARDOUS PROPERTY: H7, H14

14. TRANSPORT INFORMATION:

LABEL FOR CONVEYANCE:

UK ROAD PACK GR.: III

ADR CLASS No.: 3

ADR CLASS: Class 3: Flammable liquids.

ADR ITEM No.: 5°(c)

HAZARD No. (ADR): 33 Highly flammable liquid (flash-point below 23°C).

ADR MARGINAL: 2301

HAZCHEM CODE: 3YE

PROPER SHIPPING NAME I: FLAMMABLE LIQUID, NOS

PROPER SHIPPING NAME II: TECHNICAL NAME - (contains ethanol)

UN No. SEA: UN 1993

IMDG CLASS: 3

IMDG PAGE No.: 3345

IMDG PACK GR.: III

MARINE POLLUTANT: Yes.

SEA TRANSPORT NOTES: Contains marine pollutant (P).

UN No., AIR: UN-ID 1993

ICAO CLASS: 3

AIR PACK GR.: III

15. REGULATORY INFORMATION:

LABEL FOR SUPPLY:



RISK PHRASES: R-11 Highly flammable.
R-20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
R-45 May cause cancer.
R-68/20/21/22 Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed.

SAFETY PHRASES: P-11 Restricted to professional users.
S-36/37 Wear suitable protective clothing and gloves.
S-38 In case of insufficient ventilation, wear suitable respiratory equipment.
S-45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S-53 Avoid exposure - obtain special instructions before use.
S-60 This material and its container must be disposed of as hazardous waste.

UK REGULATORY REFERENCES: Chemicals (Hazard Information & Packaging) Regulations 1993. Classification, Packaging and Labelling Regulations 1984.

16. OTHER INFORMATION:

INFORMATION SOURCES: This product has been classified in accordance with CHIP3 regulations.

REVISION COMMENTS: Edition 01; Revised item(s):

ISSUED BY: MK

SDS No.: 129

DATE: 12/07/02

DISCLAIMER: The foregoing data has been compiled for safety information only and does not form part of any selling specification. Information contained in this Data Sheet is to the best of JMLs knowledge correct at the time of publication. Customers should always satisfy themselves, that the product which they have selected is entirely suitable for their purpose under their conditions of use and in compliance with current regulations. For any further information, please contact the supplier.

R-PHRASES (Full Text): R-45 May cause cancer. R-11 Highly flammable. R-23/24/25 Toxic by inhalation, in contact with skin and if swallowed. R-39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.