



SAFETY DATA SHEET

TURPENTINE, OIL

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

PRODUCT NAME: TURPENTINE, OIL
PART No.: RM280
SUPPLIER: J M Loveridge plc
Southbrook Road, Southampton
Hampshire
SO15 1BH
Tel: 023 8022 2008
Fax: 023 8022 2117

2. COMPOSITION/INFORMATION ON INGREDIENTS:

EU INDEX No.: 650-002-00-6
EEC (EINECS) No. 232-350-7
CAS No.: 8006-64-2
COMPOSITION COMMENTS: Contains Pinenes and other terpenes.

3. HAZARDS IDENTIFICATION:

Flammable. Harmful by inhalation, in contact with skin and if swallowed. Irritating to eyes and skin. May cause sensitisation by skin contact. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Harmful: may cause lung damage if swallowed.

4. FIRST AID MEASURES:

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

INHALATION: Move affected person to fresh air. If recovery not rapid, 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. If irritation persists, seek 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:	Dry chemicals, sand, dolomite etc. Halon. Powder, foam or CO2.
SPECIAL FIRE FIGHTING PROCEDURES:	Use gentle application of water spray to keep exposed containers cool or to dissipate vapour. 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.
UNUSUAL FIRE & EXPLOSION HAZARDS:	May explode when heated or when exposed to flames or sparks. Vapour may travel considerable distance to source of ignition and flash back.
HAZARDOUS COMBUSTION PRODUCTS:	Burning will produce hydrocarbons and oxides of carbon.
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. Do not breathe vapour or fumes.
PRECAUTIONS TO PROTECT ENVIRONMENT:	Prevent contamination of soil, drains and surface water.
SPILL CLEANUP METHODS:	Take-up spillage with absorbent, inert material and place in a suitable and closable labelled container for recovery or disposal. Do not use combustible materials (such as sawdust) to soak-up spillages. Wash the area clean with water and detergent, observing environmental requirements. Ventilate residual vapour or fumes.

7. HANDLING AND STORAGE:

USAGE PRECAUTIONS:	HANDLING - Product should be used in accordance with good industrial principles for handling and storing of hazardous chemicals. Spillages will create a fire hazard. Avoid vapour formation and ignition sources. Avoid inhalation of vapours. Ensure good ventilation and local exhaust extraction in work place. (engineering controls must be to explosion/flameproof standard). Earth container and transfer equipment to eliminate accumulation of static charge.
STORAGE PRECAUTIONS:	Store in a cool, dry, well ventilated place, in securely closed original container. Flammable/combustible - Keep away from oxidising agents, heat and flames.
STORAGE CRITERIA:	Flammable liquid storage.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

INGREDIENT NAME:	CAS No.:	STD	LT EXP 8 Hrs	ST EXP 15 Min
TURPENTINE, OIL	8006-64-2	OES	100 ppm	150 ppm

VENTILATION:	Provide adequate general and local exhaust ventilation. Work in a fume cupboard or use local exhaust ventilation.
RESPIRATORS:	For short periods of work, a suitable RPE fitted with a combination charcoal or organic vapour cartridge is recommended.

PROTECTIVE GLOVES:	Use impervious gloves made of butyl rubber or PVC.
EYE PROTECTION:	Approved chemical safety goggles or face protection.
OTHER PROTECTION:	Use engineering controls to reduce air contamination to permissible exposure level. Wear personal protective equipment appropriate to the quantity of material handled.
HYGIENIC WORK PRACTICES:	SKIN PROTECTION - apply barrier cream to hands and exposed skin.

9. PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE:	Clear colourless, mobile liquid with characteristic odour.		
BOILING POINT (°C, interval):	~ 157	Pressure:	
DENSITY/SPECIFIC GRAVITY (g/ml):	0.86 - 0.87	Temperature (°C):	20
VAPOUR DENSITY (air=1):	4.84		
VOLATILE BY VOL. (%):	97.5		
FLASH POINT (°C):	~ 35	Method:	CC (Closed cup).
AUTO IGNITION TEMP. (°C):	253		
FLAMMABILITY LIMIT - LOWER (%):	0.8		
FLAMMABILITY LIMIT - UPPER (%):	6.0		

10. STABILITY AND REACTIVITY:

STABILITY:	Stable under normal conditions of use.
CONDITIONS TO AVOID:	Avoid heat, flames and other sources of ignition. Avoid accumulation of static electricity.
MATERIALS TO AVOID:	Oxidising agents. Strong acids. Aluminium chloride.
HAZARDOUS DECOMP. PRODUCTS:	Thermal decomposition or burning will release oxides of carbon.

11. TOXICOLOGICAL INFORMATION:

Toxicological data	LD50. Oral. Rat. 5760 mg/kg
INHALATION:	May cause transient irritation to the respiratory system. Exposure to high vapour concentration may cause effects similar to those of ingestion.
INGESTION:	May cause nausea, vomiting, dizziness and depression of CNS. Aspiration during swallowing or vomiting may severely damage the lungs.
SKIN:	May be absorbed through skin. May cause sensitisation by skin contact. Repeated or prolonged contact may cause mild irritation and/or drying (defatting) of skin.
EYES:	May cause transient eye irritation or damage.
OTHER HEALTH EFFECTS:	Has been found to cause cancer in laboratory animals.
ROUTE OF ENTRY:	Inhalation.

12. ECOLOGICAL INFORMATION:

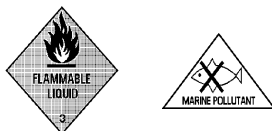
ECOLOGICAL INFORMATION: Toxic to aquatic organisms.
Prevent contamination of soil, drains or surface water, use appropriate containment method to avoid environmental contamination.

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: H3-A, H5 , H14.

14. TRANSPORT INFORMATION:

LABEL FOR CONVEYANCE:

ADR CLASS No.: 3

ADR CLASS: Class 3: Flammable liquids.

ADR ITEM No.: 31°(c)

HAZARD No. (ADR): 30 Flammable liquid (flash-point between 23°C and 61°C, inclusive) or flammable liquid or solid in the molten state with a flash-point above 61°C, heated to a temperature equal to or above its flash-point, or self heating liquid.

ADR MARGINAL: 2301

ADR LABEL No.: 3

HAZCHEM CODE: 3Y

PROPER SHIPPING NAME I: TURPENTINE

UN No. SEA: UN 1299

IMDG CLASS: 3.3

IMDG PAGE No.: 3391

IMDG PACK GR.: III

MARINE POLLUTANT: Yes.

UN No., AIR: UN-ID 1299

ICAO CLASS: 3

AIR PACK GR.:

III

15. REGULATORY INFORMATION:

LABEL FOR SUPPLY:



RISK PHRASES:

R-10 Flammable.
R-20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
R-36/38 Irritating to eyes and skin.
R-43 May cause sensitisation by skin contact.
R-51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R-65 Harmful: may cause lung damage if swallowed.

SAFETY PHRASES:

S-2 Keep out of reach of children.
S-36/37 Wear suitable protective clothing and gloves.
S-46 If swallowed seek medical advice immediately and show this container label.
S-61 Avoid release to the environment. Refer to special instructions/ Safety Data Sheets.
S-62 If swallowed, do not induce vomiting. Seek medical advice immediately and show the container or label.

UK REGULATORY REFERENCES:

Classification, Packaging and Labelling Regulations 1984, Chemicals (Hazard Information & Packaging) Regulations 1993.

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.:

521

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.