



SAFETY DATA SHEET

ROSEMARY OIL

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

PRODUCT NAME: ROSEMARY OIL
PART No.: RM227
APPLICATIONS: Widely used in pharmaceutical and cosmetic industries.
SUPPLIER: J M Loveridge plc
Southbrook Road, Southampton
Hampshire
SO15 1BH
Tel: 023 8022 2008
Fax: 023 8022 2117

2. COMPOSITION/INFORMATION ON INGREDIENTS:

CAS No.: 8000-25-7
COMPOSITION COMMENTS: Contains mixture of free alcohols including borneol and linalol (upto ~ 18% total), camphor, cineole, pinene, camphene and other terpenes.
Obtained from herb, Rosmarinus officinalis.

3. HAZARDS IDENTIFICATION:

Flammable.

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). Obtain medical attention if adverse symptoms occur.
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:

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| EXTINGUISHING MEDIA: | Foam, dry chemical or carbon dioxide. |
| SPECIAL FIRE FIGHTING PROCEDURES: | UNSUITABLE EXTINGUISHING MEDIA - Do not use water. |
| HAZARDOUS COMBUSTION PRODUCTS: | Burning may release oxides of carbon and other hazardous gases or vapours. - hydrocarbons. |
| PROTECTIVE MEASURES IN FIRE: | Fire fighters should wear self-contained breathing apparatus. |

6. ACCIDENTAL RELEASE MEASURES:

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| PERSONAL PRECAUTION IN SPILL: | Wear appropriate protective clothing. Eliminate all sources of ignition. |
| 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. |

7. HANDLING AND STORAGE:

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| 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. |
| STORAGE PRECAUTIONS: | Store in a cool, dry, well ventilated place, in securely closed original container. |

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

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| VENTILATION: | Provide adequate general and local exhaust ventilation. |
| 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. |

9. PHYSICAL AND CHEMICAL PROPERTIES:

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| APPEARANCE: | Clear, colourless or pale yellow oily liquid. | | |
| ODOUR/TASTE: | Aromatic or camphoraceous, characteristic of rosemary. | | |
| DENSITY/SPECIFIC GRAVITY (g/ml): | 0.89 - 0.91 | Temperature (°C): | |

SOLUBILITY DESCRIPTION: Insoluble in water. Soluble in: Ethanol.

FLASH POINT (°C): 40 **Method:**

10. STABILITY AND REACTIVITY:

STABILITY: Stable under normal conditions of use.

CONDITIONS TO AVOID: Avoid heat, flames and other sources of ignition.

HAZARDOUS DECOMP. PRODUCTS: Thermal decomposition or burning may release oxides of carbon or other hazardous gases, acrid smoke and irritating fumes.

11. TOXICOLOGICAL INFORMATION:

TOXIC DOSE - LD 50: > 5000 mg/kg (oral rat)

HEALTH HAZARDS, GENERAL: High vapour concentration may cause irritation to eyes and mucous membranes.

12. ECOLOGICAL INFORMATION:

ECOLOGICAL INFORMATION: No specific data or information available regarding environmental impact.

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-B

14. TRANSPORT INFORMATION:

UK ROAD PACK GR.: III

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).

ADR MARGINAL: 2301

HAZCHEM CODE: 3Y

PROPER SHIPPING NAME I: FLAMMABLE LIQUID, NOS

PROPER SHIPPING NAME II: Technical name (contains alcohol and terpene mixture)
UN No. SEA : UN 1993
IMDG CLASS: 3.3
IMDG PAGE No.: 3345
IMDG PACK GR.: III
UN No., AIR: UN-ID 1993
ICAO CLASS: 3
AIR PACK GR.: III

15. REGULATORY INFORMATION:

RISK PHRASES: R-10 Flammable.
SAFETY PHRASES: S-16 Keep away from sources of ignition - No Smoking.
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.: 409
DATE: 12/07/02
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