



SAFETY DATA SHEET

CAMPHOR WATER CONCENTRATED

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

PRODUCT NAME: CAMPHOR WATER CONCENTRATED

PART No.: RM331

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 | | | 30-60 % |
| 64-17-5 | 200-578-6 | F R-11 | |
| CAMPHOR (RACEMIC) | | Xn R-22, 36/38 | 1-5 % |

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

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). 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.

EYES: Rinse immediately with copious amounts of water. If irritation or discomfort persists,

seek medical attention.

5. FIRE FIGHTING MEASURES:

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| EXTINGUISHING MEDIA: | Alcohol resistant foam. Carbon dioxide (CO ₂). Dry chemicals, sand, dolomite etc. Halon. |
| UNUSUAL FIRE & EXPLOSION HAZARDS: | May explode when heated or when exposed to flames or sparks. |
| HAZARDOUS COMBUSTION PRODUCTS: | Burning will produce oxides of carbon. |
| 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. 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. 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). |
| 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 |
|-------------------------|-----------------|------------|---------------------|----------------------|
| CAMPHOR (RACEMIC) | | OES | 2 ppm | 3 ppm |
| ETHANOL | 64-17-5 | OES | 1000 ppm | No std. |

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| INGREDIENT COMMENTS: | Refer to the current edition of HSE Guidance Note EH 40/200* for occupational exposure limits; - camphor listed as bornan-2-one. |
| VENTILATION: | Provide adequate general and local exhaust ventilation. Work in fume cupboard. |
| 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:

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| APPEARANCE: | Clear colourless liquid. | | |
| ODOUR/TASTE: | Pronounced aromatic odour of camphor. | | |
| DENSITY/SPECIFIC GRAVITY (g/ml): | ~ 0.81 | Temperature (°C): | 20 |
| SOLUBILITY DESCRIPTION: | Miscible with water. | | |
| FLASH POINT (°C): | 23 °C | Method: | |

10. STABILITY AND REACTIVITY:

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| STABILITY: | Stable under normal conditions of use. |
| CONDITIONS TO AVOID: | Avoid heat, flames and other sources of ignition. |
| MATERIALS TO AVOID: | Oxidising agents. Nitric acid. |
| HAZARDOUS DECOMP. PRODUCTS: | Thermal decomposition or burning will release oxides of carbon. |

11. TOXICOLOGICAL INFORMATION:

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| HEALTH HAZARDS, GENERAL: | Intoxicating if inhaled or ingested. |
| INHALATION: | May cause transient irritation to the respiratory system. Exposure to high vapour concentration may cause central nervous system depression or systemic effects similar to those of ingestion. |
| INGESTION: | May cause nausea, vomiting, dizziness and depression of CNS. |
| SKIN: | 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: | For ethanol component of the preparation, adverse effects on male reproductive system have been reported in laboratory animals on prolonged exposure. |
| ROUTE OF ENTRY: | Inhalation. |

12. ECOLOGICAL INFORMATION:

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| ECOLOGICAL INFORMATION: | No specific data or information available regarding environmental impact. Avoid release to the environment. |
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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: H3-B

14. TRANSPORT INFORMATION:

UN No. ROAD: 1993

UK ROAD PACK GR.: III

ADR CLASS No.: 3

ADR CLASS: Class 3: Flammable liquids.

ADR ITEM No.: 31°(c)

ADR MARGINAL: 2301

ADR LABEL No.: 3

HAZCHEM CODE: 3Y

PROPER SHIPPING NAME I: FLAMMABLE LIQUID, NOS

PROPER SHIPPING NAME II: Technical name - (contains ethanol)

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-51 Use only in well ventilated areas.

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.: M029

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-22 Harmful if swallowed. R-36/38 Irritating to eyes and skin. R-11 Highly flammable.