



SAFETY DATA SHEET

CHLOROFORM and MORPHINE TINCTURE

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

PRODUCT NAME: CHLOROFORM and MORPHINE TINCTURE

PART No.: RM074

SUPPLIER: J M Loveridge plc
Southbrook Road, Southampton
Hampshire
SO15 1BH
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2. COMPOSITION/INFORMATION ON INGREDIENTS:

NAME			CONTENT
CAS No.:	EINECS Nr.:	CLASSIFICATION	
DIETHYL ETHER 60-29-7	200-467-2	Xn ,Fx R-12, 19, 22, 66, 67	1-5 %
ETHANOL 64-17-5	200-578-6	F R-11	5-10 %
CHLOROFORM 67-66-3	200-663-8	Xn R-22, 38, 40, 48/20/22	10-30 %

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

COMPOSITION COMMENTS: Preparation contains morphine hydrochloride (CAS 52-26-6) @ ~ 0.25% (w/w).

3. HAZARDS IDENTIFICATION:

Harmful if swallowed. Limited evidence of a carcinogenic effect. Harmful: danger of serious damage to health by prolonged exposure through inhalation and if swallowed. Carcinogen Category 3.

Carc. Cat.3

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. If

	breathing stops, provide artificial respiration. Keep affected person warm and at rest.
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 out. 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 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:	This material is not flammable. Use extinguishing media suitable against surrounding fire or the cause of fire.
HAZARDOUS COMBUSTION PRODUCTS:	Noxious or toxic vapours may be released in fire situation. - hydrogen chloride fumes, phosgene vapour.
PROTECTIVE MEASURES IN FIRE:	Fire fighters should wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES:

PERSONAL PRECAUTION IN SPILL:	Wear appropriate protective clothing. 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. Wash the area clean with water and detergent, observing environmental requirements.

7. HANDLING AND STORAGE:

USAGE PRECAUTIONS:	The product should be used in accordance with good industrial safety practice and hygiene principles for handling and storing of chemicals. Ensure good ventilation and local exhaust extraction in work place.
STORAGE PRECAUTIONS:	Avoid direct sunlight. Store in a cool, dry, well ventilated place, in securely closed original container.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

INGREDIENT NAME:	CAS No.:	STD	LT EXP 8 Hrs	ST EXP 15 Min
DIETHYL ETHER	60-29-7	OES	100 ppm	200 ppm
ETHANOL	64-17-5	OES	1000 ppm	No std.
CHLOROFORM	67-66-3	OES	2 ppm(Sk)	

VENTILATION:	Provide sufficient ventilation during operations which cause vapour formation.
PROTECTIVE GLOVES:	Use protective gloves. Non-recommended materials: PVC, rubber.
EYE PROTECTION:	Use eye protection if eye contact is likely.
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:

APPEARANCE:	Dark brown viscous liquid with chloroform odour.		
PHYSICAL DATA COMMENTS:	Flash point 40°C, however the preparation fails combustibility test at 50°C		
DENSITY/SPECIFIC GRAVITY (g/ml):	1.22 - 1.26	Temperature (°C):	20

10. STABILITY AND REACTIVITY:

STABILITY:	Stable under normal conditions of use. Product will separate on standing.
CONDITIONS TO AVOID:	Avoid excessive heat.
HAZARDOUS DECOMP. PRODUCTS:	Thermal decomposition may release noxious, toxic or corrosive gases or vapours. - possibly phosgene and hydrogen chloride.

11. TOXICOLOGICAL INFORMATION:

	Acute toxicity. LD50. Oral. Rat. 908 mg/kg (chloroform)
HEALTH HAZARDS, GENERAL:	Due to chloroform content the product requires classification as harmful by inhalation. Irritating to mucous membrane and eyes. Risk of kidney, liver and nervous system effects.
INHALATION:	Vapour has anaesthetic properties, causing drowsiness, intoxication, nausea, vomiting, unconsciousness.
INGESTION:	Ingestion of (excessive amounts) may cause renal or liver damage.
EYES:	Irritating to eyes.

12. ECOLOGICAL INFORMATION:

ECOLOGICAL INFORMATION:	No specific information available, but material is expected to have adverse effect on 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: H6, H14

14. TRANSPORT INFORMATION:

GENERAL: Not classified as hazardous for transport.

15. REGULATORY INFORMATION:

LABEL FOR SUPPLY:

RISK PHRASES: R-22 Harmful if swallowed.
R-40 Limited evidence of a carcinogenic effect.
R-48/20/22 Harmful: danger of serious damage to health by prolonged exposure through inhalation and if swallowed.

SAFETY PHRASES: S-36/37 Wear suitable protective clothing and gloves.
S-45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
P-10 For use in industrial installations only.

UK REGULATORY REFERENCES: Classification, Packaging and Labelling Regulations 1984. Chemicals (Hazard Information & Packaging) Regulations 1993.
Regulatory requirement mandates selection of P10 phrase.

COMMENTS: This product is a licenced medicine and as such is exempt from CHIP Regulations and classification for supply.
This Safety Data Sheet provides basic safety data on non-clinical aspects of the product.

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.: 111

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-38 Irritating to skin. R-40 Limited evidence of a carcinogenic effect. R-48/20/22 Harmful: danger of serious damage to health by prolonged exposure through inhalation and if swallowed. R-12 Extremely flammable. R-19 May form explosive peroxides. R-66 Repeated exposure may cause skin dryness or cracking. R-67 Vapours may cause drowsiness and dizziness. R-11 Highly flammable.
