



SAFETY DATA SHEET

LIQUID PARAFFIN

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME: LIQUID PARAFFIN

PRODUCT NO: RM184

APPLICATION/IDENTIFIED Widely used in pharmaceutical and cosmetic industries.

SUPPLIER J M Loveridge Ltd
 Unit 5, Kingsway
 Walworth Industrial Estate, Andover
 Hampshire, SP10 5LQ
 +44 (0) 1264 367610
 +44 (0) 1264 351761
 Mr. S Knight – admin@jmloveridge.com

EMERGENCY CONTACT NUMBER:

2 HAZARDS IDENTIFICATION

Classification of the substance or mixture

Classification (EC 1272/2008):

Physical Hazards Not classified

Health Hazards Not classified

Environment Hazards Not classified

Label Elements

Hazards Statements NC Not Classified

Other Hazards

This substance is not classified as PBT/vPvB by current EU criteria.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Substances

Product Name LIQUID PARAFFIN

REACH registration notes This product is not classified as hazardous, the information in this datasheet is given for guidance only. Substances contained in this product that are not classified as hazardous have been/will be registered for REACH at the appropriate time.

CAS Number 8042-47-5

Composition Comments: The data shown are in accordance with the latest EC Directives Mineral oil, highly refined DMSO <3% (IP346)

Mixtures

Chemical Name White Oil

4 FIRST-AID MEASURES

Description of first aid measures

INHALATION

Remove affected person from source of contamination. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

INGESTION

Remove person to fresh air and keep comfortable for breathing. Rinse mouth thoroughly with water. Give plenty of water to drink. Do not induce vomiting unless the direction of medical personnel. Get medical attention if any discomfort continues.

SKIN CONTACT

Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin thoroughly with soap and water. Get medical attention promptly if symptoms occur after washing.

EYE CONTACT

Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. continue to rinse for a least 15 minutes. Get medical attention if irritation persists after washing. Show this safety data sheet to the medical personnel.

Most important symptoms and effects, both acute and delayed

Eye Contact may cause temporary eye irritation

Indication of any immediate medical attention and special treatment needed

Notes for the doctor Treat symptomatically

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Suitable extinguishing media Use fire-extinguishing media suitable for the surrounding fire

Unsuitable extinguishing media Do Not use water jet as an extinguisher, as this will spread the fire

SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

Special Hazards Containers can burst violently or explode when heated, due to excessive pressure build-up.

Hazardous combustion products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Carbon dioxide (CO₂) Carbon monoxide (CO).

ADVICE FOR FIREFIGHTERS

Protective actions during Firefighting

No action shall be taken without appropriate training or involving any personal risk. Keep unnecessary and unprotected personnel away from the spillage. Cool containers exposed to flames with water until well after the fire is out. Containers close to fire should be removed or cooled with water. Do not allow water to contact any leaked material. Control run-off water by containing and keeping it out of sewers and watercourses.

Special protective equipment for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS PROTECTIVE AND EMERGENCY PROCEDURES**Personal precautions**

No action shall be taken without appropriate training or involving any personal risk. Keep unnecessary and unprotected personal away from spillage. Do not touch or walk into spilled material. Wear protective clothing as described in Section 8 of this Safety Data Sheet. Eliminate all sources of ignition. Avoid contact with skin and eyes.

ENVIRONMENTAL PRECAUTIONS**Environmental Precautions**

Do not discharge into drains, watercourses or onto the ground. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body. Contain and collect extinguishing water.

METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP**Methods for cleaning up**

Stop leak if possible without risk. Move containers from spillage area. Control run-off water by containing and keeping it out of sewers and watercourses. Flush spilled material into an effluent treatment plant, or proceed as follows. Collect and place in suitable waste disposal containers and seal securely. Absorb spillage with non-combustible, absorbent material. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. For waste disposal, see Section 13.

REFERENCE TO OTHER SECTIONS**Reference to other sections**

For personal protection, see section 8.

7 HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING**Usage precautions**

Avoid inhalation of vapours/spray and contact with skin and eyes. In case of spills, beware of slippery floors and surfaces. Eliminate all sources of ignition. No smoking, sparks, flames, or other sources of ignition near spillage. Provide adequate Ventilation.

Advice on general occupational hygiene

When using do not eat, drink or smoke. Wash at the end of each work shift and before eating, smoking and using the toilet. Remove contaminated clothing and protective equipment before entering eating areas. Good personal hygiene procedures should be implemented.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMATIBILITIES**Storage precautions**

Store in tightly - closed original container in a dry, cool and well-ventilated place. Protect from light. Keep away from food and drink.

SPECIFIC END USE (S)**Specific end use(s)**

The identified uses for this product are detailed in Section 1.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS

EXPOSURE CONTROL

PROTECTIVE EQUIPMENT



APPROPRIATE ENGINEERING CONTROLS

Provide adequate ventilation. Good general ventilation should be adequate to control worker exposure to airborne contaminants.

EYE/FACE PROTECTION

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn Tight-fitting safety glasses. Personal protective equipment for eye and face protection should comply with European Standard EN166.

HAND PROTECTION

Chemical –resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. To protect hands from chemicals, gloves should comply with European Standard EN374.

OTHER SKIN AND BODY PROTECTION

Wear suitable protective clothing as protection against splashing or contamination.

HYGIENE MEASURES

Wash hands at the end of each work shift and before eating, smoking and using the toilet. Remove contaminated clothing and wash the thoroughly with soap and water after work. Wash contaminated clothing before reuse. When using do not eat, drink or smoke. Provide eyewash station and safety shower.

RESPIRATORY EQUIPMENT

Respiratory protection may still be required if excessive airborne contamination occurs. If ventilation is inadequate, suitable respiratory protection must be worn. Wear a supplied- air respirator EN 136/140/141/145/143/149

ENVIRONMENTAL EXPOSURE CONTROLS

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications of the process equipment will be necessary to reduce emissions to acceptable levels.

9 PHYSICAL AND CHEMICAL PROPERTIES

INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid Viscous liquid.
Colour:	Colourless. Clear liquid.

Odour:	Mild. Hydrocarbons.
Odour threshold	No information available.
pH	Not applicable
Melting Point (°C):	-60 –9°C
Initial boiling point and range	218-800°C
Flash Point	>112°C Cleveland Open Cup
Evaporation rate	No information available
Evaporation factor	No information available
Flammability (solid, gas)	No information available
Upper /Lower flammable or explosive limits	Upper flammable/explosive limit: 4.5 vol% Lower Lower Flammable/explosive limit: 0.45 vol%
Other flammability	No information available
Vapour Pressure:	0.011 kPa @20°C
Vapour density	No information available
Relative Density:	0.83 – 0.95 @15°C
Bulk density	No information available
Solubility (ies)	Insoluble in water
Partition Coefficient	>3.5
Auto-ignition temperature	>165°C
Decomposition Temperature	No information available
Viscosity	No information available
Explosive properties	No information available
Explosive under the influence Of a flame	No information available
Oxidising properties	No information available

OTHER INFORMATION

Other information	Not determined
Refractive index	No Information available
Particle size	No Information available
Molecular weight	No Information available
Volatility	Nil
Saturation concentration	No Information available
Critical temperature	No Information available
Volatile organic compound	No Information available

10 STABILITY AND REACTIVITY

REACTIVITY

Reactivity

There are no known reactivity hazards associated with this product

CHEMICAL STABILITY

Stability

Stable at normal ambient temperature and when used as recommended.

POSSIBILITY OF HAZARDOUS REACTIONS

Prolonged and frequent contact may cause redness and irritation.

EYE CONTACT

May cause temporary eye irritation

12 ECOLOGICAL INFORMATION

ECOTOXICITY

The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

TOXICITY

TOXICITY Not considered toxic to fish

ACUTE AQUATIC TOXICITY

ACUTE TOXICITY -FISH LC₅₀ 96 hours: >10000mg/l, Fish

ACUTE TOXICITY -AQUATIC

INVERTEBRATES LC₅₀ 48 Hours: >100 mg/L, Daphnia magna

PERSISTENCE AND DEGRADABILITY

PERSISTENCE AND DEGRADABILITY Inherently biodegradable

BIOACCUMULATION POTENTIAL

BIOACCUMULATION POTENTIAL The product is not bioaccumulating.

MOBILITY IN SOIL

MOBILITY This product is insoluble in water

RESULTS OF PBT AND vPvB ASSESSMENT

RESULTS OF vPvB ASSESSEMENT

This substance is not classified as PBT or vPvB according to current EU criteria

OTHER ADVERSE EFFECTS

OTHER ADVERSE EFFECTS Not determined

13 DISPOSAL CONSIDERATIONS

WASTE TREATMENT METHODS

GENERAL INFORMATION

Waste is suitable for incineration. Waste to be treated as controlled waste.

DISPOSAL METHODS

Dispose of waste to licensed waste disposal site in accordance with the accordance with the requirements of the local Waste Disposal Authority.

14 TRANSPORT INFORMATION

GENERAL

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

UN MUMBER

Not applicable

UN PROPER SHIPPING NAME

Not applicable

TRANSPORT HAZARD CLASS (ES)

No transport warning sign required

PACKING GROUP

Not applicable

ENVIRONMENTALLY HAZARDS

Environmentally hazardous Substance/ marine pollutant

No

SPECIAL PRECAUTIONS FOR USER

Not Applicable.

TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL AND THE IBC CODE

TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE

Not Applicable.

15 REGULATORY INFORMATION

SAFETY HEALTH AND ENVIRONMENTLE REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

EU LEGISLATION

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), as amended Regulation (EC) No 1272/2008 of the European Parliament and of the council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended). Commission Regulation (EU) No 2015/830 of 28 May 2015.

CHEMICAL SAFETY ASSESSMENT

No chemical safety assessment has been carried out

16 OTHER INFORMATION

ABBREVIATIONS AND ACRONYMS USED IN THE SAFETY DATA SHEET

ATE	Acute Toxicity Estimate.
ADR	European Agreement concerning in the International Carriage of Dangerous Goods by inland Waterways.
ADN	European Agreement Concerning the International Carriage of Dangerous goods by inland Waterways
CAS	Chemical Abstracts Services
DNEL	Derived No Effect Level.
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
Kow	Octanol-water partition coefficient
LC ₅₀	Lethal Concentration to 50% of a test population
LD ₅₀	Lethal Dose to 50% of test population (Median Lethal Dose)

PBT	Persistent Bioaccumulative and toxic substance
PNEC	Predicated Effect Concentration
REACH	Registration Evolution Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	European Agreement concentrating the International Carriage of Dangerous Goods by Rail
vPvB	Very Persistent and Very Bioaccumulative.
IARC	International Agency for Research on Cancer
MARPOL	73/78 International Convention for the Prevention of pollution From Ships, 1973 as modified by the Protocol of 1978
cATpE	Converted Acute Toxicity Point Estimate
BCF	Bioconcentration Factor
BOD	Biochemical Oxygen Demand
EC ₅₀	50% of maximal Effective Concentration
LOAEC	Lowest Observed Adverse Effect Concentration
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No Observed Adverse Effect Concentration
NOAEL	No Observed Adverse Effect Level
NOEC	No Observed Effect Concentration
LOEC	Lowest Observed Effect Concentration
DMEL	Derived Minimal Effect Level
EL50	Exposure Limit 50
hPa	Hectopascal
LL50	Lethal Loading fifty
OECD	Organisation for Economic Co-operation and Development
POW	Octanol-water partition coefficient
SCBA	Self- contained breathing apparatus
STP	Sewage Treatment Plant
VOC	Volatile Organic Compounds

CLASSIFICATION ABBREVIATIONS AND ACRONYMS

Acute Tox. = Acute toxicity

Aquatic Acute = Hazardous to the environment (acute)

Aquatic Chronic= Hazardous to the aquatic environment (chronic)

KEY LITERATURE REFERENCES AND SOURCES FOR DATA

Supplier's information

DISCLAIMER

The foregoing data has been compiled for safety information only and does not form part of any selling specification. Information contained in this SDS is to the best of JML's knowledge correct at the time of publication. However, no guarantee is given to its accuracy, reliability or completeness and the information may not be valid if the product is used in combination with other materials or process. It is the responsibility of the user to ensure that the product which they have selected is entirely suitable for their purpose under their conditions of use and in compliance with current regulatory requirements.