

## Machine Lube

### 1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

- 1.1 Product Identifier**  
Material name : Machine Lube
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**  
Product use : Lubricant
- 1.3 Details of the supplier of the safety data sheet**  
Manufacturer/Supplier: Chemical Brokers Ltd.,  
Laurel House  
Bush Lane  
Callow End  
Worcester  
WR2 4TF
- Tel. : 01905 831713  
Fax. : .
- Email (for SDSs) : mcdrewcbl@gmail.com
- 1.4 Emergency tel. no.:** 07712 772856 (Office hours)

### 2. HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

According to 1272/2008/EC: Classification, Labelling and Packaging of Substances and Mixtures (CLP) Regulation:

Extremely Flammable Aerosol Category 1  
Aq. Chronic 4  
EUH066

#### 2.2 Label elements

Labelling according to EC Directives: 1272/2008/EC:

Signal word: Danger



Pictogram(s):

- |               |           |   |
|---------------|-----------|---|
| H-Statements: | H222      | Extremely flammable aerosol.  |
|               | H229      | Pressurised container: May burst if heated.   |
|               | H413      | May cause long-lasting harmful effects to aquatic life.   |
| P-Statements: | P210      | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.<br>No smoking. |
|               | P211      | Do not spray on an open flame or other ignition source.   |
|               | P251      | Do not pierce or burn, even after use.  |
|               | P410+P412 | Protect from sunlight. Do not expose to temperatures exceeding 50°C.                              |
|               | P261      | Avoid breathing vapour/spray.   |

#### 2.2 Label elements (continued)

P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves/eye/face protection.
P501	Dispose of in accordance with local/national regulations.

**Supplementary Labelling Information**

EUH066	Repeated exposure may cause skin dryness or cracking.
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**2.3 Other hazards** In use, may form flammable / explosive vapour-air mixture.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**3.2 Mixtures:**

**Hazardous components**

Chemical Name	CAS No./ EC No./ Reg. No	Classification (1272/2008/EC)	Content
C9-C12 ISOALKANES	90622-57-4	Flam. Liq. 3; H226 Asp. Tox. 1 H304 Aq. Chron. 4; H413 EUH066	50-80%
MINERAL OIL	-	Not classified, but with a WEL, see Section 8	10-30%
LIQUEFIED PETROLEUM GAS (contains <0.1% 1,3-butadiene)	68476-85-7 270-704-2 -	Flam.Gas 1; H220 Gas under pressure; H280	10-30%

See Section 16 for the full text of the H-statements noted above.

**4. FIRST AID MEASURES**

**4.1 Description of first aid measures**

**General advice:** Remove casualty from exposure ensuring one's own safety whilst doing so. Take off any contaminated clothing and shoes/boots immediately. Never give anything by mouth to an unconscious person.

**Skin contact:** Wash with soap and water. Seek medical advice if irritation develops.

**Eye contact:** Rinse with water for 10 minutes and seek medical advice if irritation persists.

**Ingestion:** Rinse mouth with water and give water to drink. Do not induce vomiting. Seek medical advice.

**Inhalation:** Remove to fresh air. Seek medical advice.

**4.2 Most important symptoms and effects, both acute and delayed:** May cause irritation to skin and eyes with prolonged contact.

**4.3 Indication of any immediate medical attention and special treatment needed:** See skin and eye contact information above.

**5. FIRE-FIGHTING MEASURES**

**5.1 Extinguishing media**

Suitable extinguishing media: Carbon dioxide; dry chemical powder; alcohol or polymer foam.

Unsuitable extinguishing media: High volume water jet.

**5.2 Special hazards arising from the substance or mixture**

Specific hazards during fire-fighting: Irritating/toxic fumes may be released at elevated temperatures.

### 5.3 Advice for fire-fighters:

Special protective equipment: Wear self-contained breathing apparatus. Use personal protective equipment.  
 Further information: Standard procedure for chemical fires. Use water spray to cool containers.  
 Do not allow fire run-off to enter drains.

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

Evacuate personnel to safe areas. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Use personal protective equipment to deal with spillage.

### 6.2 Environmental precautions

Contain the spillage using sufficient appropriate absorbent material. Do not discharge into drains or rivers, but if contamination to waterways has occurred, inform local authorities.

### 6.3 Methods and materials for containment and cleaning up

Wipe up liquid spillage with absorbent material such as sand, earth, or vermiculite, and place in a labelled container for disposal in accordance with local/national regulations.

**6.4 References to other sections:** See sections 8 and 13 for personal protection and disposal information.

## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Do not breathe spray mist. Avoid contact with skin and eyes. Handle with care.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, well ventilated area, below 50°C. Protect from frost, heat and sunlight. Keep away from food, drink and animal feed.

**7.3 Specific end use(s):** No information available.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Control parameters

Chemical name	8hr TWA	15min STEL	Reference
Mineral oil	5 mg/m <sup>3</sup> (oil mist)	-	EH40/2005
Liquefied petroleum gas	1750 mg/m <sup>3</sup> /1000ppm	2810 mg/m <sup>3</sup> /1250 ppm	EH40/2005

### 8.2 Exposure controls

**Engineering measures:** Ensure there is sufficient ventilation of the area.

#### Personal protective equipment

**Respiratory protection:** Unlikely to be necessary in normal circumstances; if vapour levels are high, wear a respirator conforming to EN 140 with type A filter or better.

### 8.2 Exposure controls (continued)

**Hand protection:** Wear chemically resistant gloves such as butyl rubber approved to standard EN 374; material thickness 0.5mm; break through time  $\geq$  480 min. Gloves must be replaced after 8 hours of wear. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. Check with glove manufacturer for specific advice.

**Eye protection:** Chemical splash goggles if eye contact is reasonably probable. The selected goggles or glasses must satisfy the European standard EN 166.

**Skin and body protection:** Depending on the conditions of use, protective gloves, apron, boots, head and face protection should be worn. The selected protective clothing has to satisfy the standard EN 13034, which describes clothing offering limited 8 hour protection against splashes. Use PPE that is chemically resistant to the product and prevents skin contact.

**Hygiene measures:** Handle in accordance with good industrial hygiene and safety practices. Do not eat or drink whilst using the product. Wash hands before breaks and at the end of the work day. Wash contaminated clothing before re-use.

**Environmental exposure controls:** Do not discharge into drains or rivers.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

State and colour	Aerosol emitting colourless oily spray.
Odour	Paraffinic
Odour Threshold	No data available
Flammability	Extremely flammable
Flash point	<0°C
Lower explosion limit	0.8%
Upper explosion limit	9.0%
Explosive properties	Not explosive
Thermal decomposition	No data available
Auto-ignition temperature	>230°C
Oxidising properties	Non-oxidising
Solubility in water	Insoluble
Solubility in other solvents	Hydrocarbon solvents.
pH	Not applicable
Melting point/range	No data available
Boiling point/range	No data available
Relative density	No data available
Vapour pressure	No data available
Vapour density	No data available
Partition coefficient: n-octanol/water	No data available
Viscosity (kinematic)	No data available
Evaporation rate	No data available

**9.2 Other information** VOC content: 527 g/l

## 10. STABILITY AND REACTIVITY

<b>10.1 Reactivity</b>	Generally non-reactive.
<b>10.2 Chemical stability</b>	Stable under normal conditions.
<b>10.3 Possibility of hazardous reactions</b>	None if stored and used as directed.
<b>10.4 Conditions to avoid</b>	None known.
<b>10.5 Incompatible materials</b>	Acids. Alkalis. Strong oxidising agents.
<b>10.6 Hazardous decomposition products</b>	Oxides of carbon.

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### Acute toxicity

Chemical name	Oral (LD50)	Inhalation (LC50)	Dermal (LD50)
Liquefied petroleum gas	Not applicable	>20mg/l (Rat) 4h	Not applicable

<b>Skin corrosion/irritation:</b>	May be mildly irritating with prolonged exposure.
<b>Serious eye damage/eye irritation:</b>	Not classed as an irritant.
<b>Respiratory or skin sensitisation:</b>	Not classed as a sensitiser.
<b>Repeated dose toxicity:</b>	Repeated exposure may cause skin dryness or cracking
<b>Carcinogenicity:</b>	Not expected to be carcinogenic.
<b>Mutagenicity:</b>	Not expected to be mutagenic.
<b>Toxicity for reproduction:</b>	Not expected to be a hazard.
<b>Specific target organ toxicity (STOT):</b>	No data available.

#### Further information

The product as a whole may cause irritation of skin, eyes, nose and upper respiratory tract if exposed to high levels of spray mist. May cause drowsiness or dizziness.

## 12. ECOLOGICAL INFORMATION

<b>12.1 Toxicity</b>	No data available.
<b>12.2 Persistence and degradability</b>	May cause long-lasting harmful effects to aquatic life.
<b>12.3 Bioaccumulative potential</b>	No data available.
<b>12.4 Mobility in soil</b>	No data available.
<b>12.5 Results of PBT and vPvB assessment</b>	Contains no PBT or vPvB substances.
<b>12.6 Other adverse effects</b>	No data available.

## 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods


Disposal operations: Dispose of in accordance with local and national regulations.  
 Contact licensed waste disposal company. Most aerosols can be recycled.  
 Do not pierce or burn or use a cutting torch on the empty aerosol container.

**14. TRANSPORT INFORMATION**

General Information: The UN number for all aerosols is 1950. Aerosols packed in fibreboard cartons up to 30 kg gross weight, or shrink/stretch wrapped onto trays up to 20 kg gross weight may be transported as Limited Quantities, and should display the following symbol on the pack:



The following information relates to all other aerosols not transported as Limited Quantities:

<b>14.1 UN number</b>	ADR/RID/ADN; IMDG; ICAO	1950
<b>14.2 UN proper shipping name</b>	AEROSOLS	
<b>14.3 Transport hazard class(es)</b>	ADR/RID/ADN Class	2, 5F
	ADR/RID/ADN Class	Class 2, Gases
	ADR Label No.	2.1
	IMDG Class	2
	ICAO Class/Division	2
	ICAO Subsidiary risk	2.1
	Transport labels	
<b>14.4 Packing Group</b>	ADR/RID/ADN; IMDG; ICAO	Not applicable for aerosols
<b>14.5 Environment hazards</b>	Marine Pollutant	Not applicable for aerosols.
<b>14.6 Special precautions for user</b>	EMS	F-D, S-U
<b>14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>		Not applicable for aerosols.

**15. REGULATORY INFORMATION**

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

**UK Regulatory References**

The Control of Substances Hazardous to Health Regulations 2002 (S.I 2001 No.2677) with amendments.

**EU Directives**

Regulations (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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

### Statutory Instruments

The Chemicals (Hazard information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

### Guidance Notes

Health and Safety Executive Workplace Exposure Limits EH40.

### 15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been performed on this product.

## 16. OTHER INFORMATION

This safety data sheet is prepared in accordance with Commission Regulation (EU) No.453/2010.

### Full text of H-statements referred to under sections 2 and 3

H220 Extremely flammable gas.  
H222 Extremely flammable aerosol.  
H226 Flammable liquid and vapour.  
H229 Pressurised container: May burst if heated.  
H280 Contains gas under pressure; may explode if heated.  
H304 May be fatal if swallowed and enters airways.  
H413 May cause long-lasting harmful effects to aquatic life.  
EUH066 Repeated exposure may cause skin dryness or cracking.

### Abbreviations and acronyms

CAS: Chemical Abstract Service (division of the American Chemical Society). {Section 3}.  
STOT: Single Target Organ Toxicity (Section 11).  
TWA: Time-weighted average. (Section 8).  
STEL: Short-term exposure limit. (Section 8).  
PBT: Persistent, Bioaccumulative, Toxic. (Section 12).  
vPvB: very Persistent and very Bioaccumulative. (Section 12).

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.