



## SAFETY DATA SHEET LHM+

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product name LHM+  
Product number LHM001

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Engine oil.

#### 1.3. Details of the supplier of the safety data sheet

Supplier TETROSYL LIMITED  
Bury  
Lancashire  
England  
BL9 7NY  
0161 764 5981  
0161 797 5899  
info@tetrosyl.com

Manufacturer TETROSYL LIMITED  
Bury  
Lancashire  
England  
BL9 7NY  
0161 764 5981  
0161 797 5899  
info@tetrosyl.com

#### 1.4. Emergency telephone number

Emergency telephone +44 (0)161 764 5981

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (EC 1272/2008)

Physical hazards Not Classified  
Health hazards Not Classified  
Environmental hazards Not Classified

#### 2.2. Label elements

Hazard statements NC Not Classified

Precautionary statements P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.

#### 2.3. Other hazards

### SECTION 3: Composition/information on ingredients

## LHM+

### 3.2. Mixtures

<b>LUBRICATING OILS (PETROLEUM), C15-30, HYDROTREATED NEUTRAL OIL BASED &lt;3% DMSO EXTRACT (IP346)</b>	<b>60-100%</b>
CAS number: 72623-86-0                      EC number: 276-737-9                      REACH registration number: 01-2119474878-16-0000	
<b>Classification</b> Asp. Tox. 1 - H304	
<b>MINERAL OIL</b>	<b>2.5-&lt;5.0%</b>
CAS number: 8042-47-5	
<b>Classification</b> Asp. Tox. 1 - H304	

The full text for all hazard statements is displayed in Section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>General information</b>	Remove affected person from source of contamination. Effects may be delayed. Keep affected person under observation. Move affected person to fresh air at once. Keep affected person away from heat, sparks and flames. Place unconscious person on the side in the recovery position and ensure breathing can take place. Keep the affected person warm and at rest. Get prompt medical attention.
<b>Inhalation</b>	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. Keep affected person under observation. Get medical attention. Show this Safety Data Sheet to the medical personnel.
<b>Ingestion</b>	Rinse mouth thoroughly with water. Give plenty of water to drink. Give milk instead of water if readily available. Keep affected person under observation. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention immediately. Show this Safety Data Sheet to the medical personnel. Never give anything by mouth to an unconscious person. Keep affected person away from heat, sparks and flames.
<b>Skin contact</b>	Remove contaminated clothing and rinse skin thoroughly with water. Get medical attention if any discomfort continues.
<b>Eye contact</b>	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Do not rub eye. Get medical attention if any discomfort continues.

#### 4.2. Most important symptoms and effects, both acute and delayed

<b>General information</b>	The severity of the symptoms described will vary dependent on the concentration and the length of exposure. Effects may be delayed. Keep affected person under observation.
<b>Inhalation</b>	Vapours in high concentrations are anaesthetic. Symptoms following overexposure may include the following: Headache. Fatigue. Dizziness. Central nervous system depression.
<b>Ingestion</b>	May cause discomfort if swallowed. May cause stomach pain or vomiting. May cause nausea, headache, dizziness and intoxication. Fumes from the stomach contents may be inhaled, resulting in the same symptoms as inhalation. Congestion of the lungs may occur, producing severe shortness of breath.

## LHM+

**Skin contact** Prolonged or repeated contact with skin may cause irritation, redness and dermatitis.

**Eye contact** May cause temporary eye irritation.

### **4.3. Indication of any immediate medical attention and special treatment needed**

**Notes for the doctor** No specific recommendations. If in doubt, get medical attention promptly.

## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

**Suitable extinguishing media** Extinguish with alcohol-resistant foam, carbon dioxide or dry powder. 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.

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

**Specific hazards** Fire creates: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>). May form explosive mixture with air at very high concentration.

**Hazardous combustion products** Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

### **5.3. Advice for firefighters**

**Protective actions during firefighting** No specific firefighting precautions known.

## **SECTION 6: Accidental release measures**

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

**Personal precautions** Use suitable respiratory protection if ventilation is inadequate. No smoking, sparks, flames or other sources of ignition near spillage. Avoid contact with skin and eyes. In case of spills, beware of slippery floors and surfaces. For personal protection, see Section 8. Avoid inhalation of vapours and contact with skin and eyes.

### **6.2. Environmental precautions**

**Environmental precautions** Do not discharge into drains or watercourses or onto the ground. Avoid the spillage or runoff entering drains, sewers or watercourses. Avoid discharge to the aquatic environment. Collect and dispose of spillage as indicated in Section 13.

### **6.3. Methods and material for containment and cleaning up**

**Methods for cleaning up** For waste disposal, see Section 13. Stop leak if possible without risk. Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Provide adequate ventilation. Contain spillage with sand, earth or other suitable non-combustible material. Avoid the spillage or runoff entering drains, sewers or watercourses. Cover large spillages with alcohol-resistant foam. Absorb spillage with inert, damp, non-combustible material. Flush contaminated area with plenty of water. Collect and place in suitable waste disposal containers and seal securely. For waste disposal, see Section 13.

### **6.4. Reference to other sections**

**Reference to other sections** For waste disposal, see section 13. For personal protection, see Section 8.

## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

## LHM+

**Usage precautions** Read and follow manufacturer's recommendations. Eliminate all sources of ignition. Keep away from heat, sparks and open flame. Static electricity and formation of sparks must be prevented. Do not eat, drink or smoke when using the product. Avoid inhalation of vapours/spray and contact with skin and eyes. Good personal hygiene procedures should be implemented. Mechanical ventilation or local exhaust ventilation may be required. Provide adequate ventilation.

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

**Storage precautions** Keep container tightly closed. Keep containers upright. Keep only in the original container. Avoid contact with oxidising agents. Do not store near heat sources or expose to high temperatures.

### 7.3. Specific end use(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

## SECTION 8: Exposure Controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limits

No exposure limits known for ingredient(s).

#### NAPHTHALENE

Long-term exposure limit (8-hour TWA): 10 53

Short-term exposure limit (15-minute): 15 80

### 8.2. Exposure controls

#### Protective equipment



**Appropriate engineering controls**

Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients. Provide adequate ventilation.

**Eye/face protection**

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Tight-fitting safety glasses.

**Hand protection**

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. It should be noted that liquid may penetrate the gloves. Frequent changes are recommended. It is recommended that gloves are made of the following material: Nitrile rubber.

**Other skin and body protection**

Provide eyewash station. Wear appropriate clothing to prevent repeated or prolonged skin contact.

**Hygiene measures**

When using do not eat, drink or smoke. Wash hands after contact. Wash at the end of each work shift and before eating, smoking and using the toilet. Wash contaminated clothing before reuse.

**Respiratory protection**

If ventilation is inadequate, suitable respiratory protection must be worn. Wear a respirator fitted with the following cartridge: Gas filter, type A2.

## SECTION 9: Physical and Chemical Properties

### 9.1. Information on basic physical and chemical properties

**Colour** Clear liquid. Green.

**LHM+**

<b>Odour</b>	Oil-like.
<b>Odour threshold</b>	Scientifically unjustified. Scientifically unjustified.
<b>Melting point</b>	Scientifically unjustified.
<b>Initial boiling point and range</b>	>200°C @
<b>Flash point</b>	118°C
<b>Evaporation rate</b>	Scientifically unjustified.
<b>Upper/lower flammability or explosive limits</b>	Scientifically unjustified.
<b>Vapour pressure</b>	Scientifically unjustified.
<b>Vapour density</b>	Scientifically unjustified.
<b>Relative density</b>	0.89 @ °C
<b>Solubility(ies)</b>	Insoluble in water.
<b>Partition coefficient</b>	Scientifically unjustified.
<b>Auto-ignition temperature</b>	Scientifically unjustified.
<b>Decomposition Temperature</b>	Scientifically unjustified.
<b>Viscosity</b>	21.0 mm <sup>2</sup> /s @ 40°C
<b>Oxidising properties</b>	Not available.

**9.2. Other information**

**Other information** None.

**SECTION 10: Stability and reactivity****10.1. Reactivity**

**Reactivity** Oxidising materials.

**10.2. Chemical stability**

**Stability** Stable at normal ambient temperatures and when used as recommended.

**10.3. Possibility of hazardous reactions**

**Possibility of hazardous reactions** Not relevant.

**10.4. Conditions to avoid**

**Conditions to avoid** Avoid heat, flames and other sources of ignition.

**10.5. Incompatible materials**

**Materials to avoid** Strong oxidising agents.

**10.6. Hazardous decomposition products**

**Hazardous decomposition products** Does not decompose when used and stored as recommended.

**SECTION 11: Toxicological information****11.1. Information on toxicological effects**

**Toxicological effects** No information available.

**LHM+****Acute toxicity - oral**

**Notes (oral LD<sub>50</sub>)** Distillate (petroleum), hydrotreated light naphthenic

**Acute toxicity - dermal**

**Acute toxicity dermal (LD<sub>50</sub> mg/kg)** 2,000.0

**Species** Rabbit

**Notes (dermal LD<sub>50</sub>)** Distillate (petroleum), hydrotreated light naphthenic

**General information**

Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

**Inhalation**

Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.

**Ingestion**

Harmful: may cause lung damage if swallowed. Pneumonia may be the result if vomited material containing solvents reaches the lungs.

**Acute and chronic health hazards**

Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

**Route of entry**

Ingestion.

**Medical considerations**

Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.

**SECTION 12: Ecological Information****Ecotoxicity**

The product is not expected to be toxic to aquatic organisms.

**12.1. Toxicity**

**Acute toxicity - fish** Not available.

**Acute toxicity - aquatic invertebrates** Not available.

**12.2. Persistence and degradability**

**Persistence and degradability** There are no data on the degradability of this product.

**12.3. Bioaccumulative potential**

**Bioaccumulative potential** No data available on bioaccumulation.

**Partition coefficient** Scientifically unjustified.

**12.4. Mobility in soil**

**Adsorption/desorption coefficient** Not available.

**12.5. Results of PBT and vPvB assessment**

**Results of PBT and vPvB assessment** This substance is not classified as PBT or vPvB according to current EU criteria.

**12.6. Other adverse effects**

**Other adverse effects** Not available.

**SECTION 13: Disposal considerations**

**LHM+****13.1. Waste treatment methods**

<b>General information</b>	Waste is classified as hazardous waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.
<b>Disposal methods</b>	Confirm disposal procedures with environmental engineer and local regulations.

**SECTION 14: Transport information**

<b>General</b>	The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).
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**14.1. UN number**

Not applicable.

**14.2. UN proper shipping name**

Not applicable.

**14.3. Transport hazard class(es)**

No transport warning sign required.

**14.4. Packing group**

Not applicable.

**14.5. Environmental hazards****Environmentally hazardous substance/marine pollutant**

No.

**14.6. Special precautions for user**

Not applicable.

**14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code**

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78  
and the IBC Code**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

<b>National regulations</b>	EH40/2005 Workplace exposure limits.
<b>EU legislation</b>	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).

**15.2. Chemical safety assessment**

No chemical safety assessment has been carried out.

**SECTION 16: Other information**

<b>Revision comments</b>	NOTE: Lines within the margin indicate significant changes from the previous revision.
<b>Revision date</b>	06/04/2016
<b>Revision</b>	13
<b>Supersedes date</b>	02/09/2013
<b>SDS status</b>	Approved.

## LHM+

**Hazard statements in full** H304 May be fatal if swallowed and enters airways.