



**EXCELLENCE IN LUBRICANTS**

## **SAFETY DATA SHEET**

**Micron GP 5**



**EXOL LUBRICANTS LIMITED**

ALL SAINTS ROAD, WEDNESBURY, WEST MIDLANDS, ENGLAND, WS10 9LL

TEL: +44 (0) 121 568 6800 • FAX: +44 (0) 121 568 6720

[WWW.EXOL-LUBRICANTS.COM](http://WWW.EXOL-LUBRICANTS.COM)



# SAFETY DATA SHEET


## Micron GP 5

Product Code: L093

### SECTION 1 IDENTIFICATION OF SUBSTANCE/MIXTURE AND OF COMPANY/UNDERTAKING

1.1	<b>Product Identifier</b>	Micron GP 5
	<b>Product Code</b>	L093
1.2	<b>Relevant identified uses of the substance or mixture and uses advised against</b>	Non-additive containing lubricant for circulatory systems Do not use in any other application.
1.3	<b>Company</b>	Exol Lubricants Limited All Saints Road Wednesbury, West Midlands, WS10 9TS
1.4	<b>Emergency Telephone Number</b>	+44 (0) 121 568 6800 (Monday – Friday 08.30 – 17.00 hrs GMT)
1.5	<b>Other Information</b>	Preparation Date: 03/06/2015

### SECTION 2 HAZARD IDENTIFICATION

2.1	<b>Classification of the substance or mixture</b> <i>See section 16 for full text of H Statements</i>	<b>CLP Classification:</b> Asp. Tox. 1; H304
2.2	<b>Label Elements</b>	<p>Labelling in accordance with CLP</p>  <p><b>DANGER</b> (H304) May be fatal if swallowed and enters airways</p> <p>(P301)+(P310) If swallowed – Immediately call a poison centre or doctor/physician. (P331) Do NOT induce vomiting. (P405) Store locked up. (P501) Dispose of contents and container as hazardous waste.</p>
2.3	<b>Other Hazards</b>	Not considered to be carcinogenic under IARC. All of the oils in this product have been demonstrated to contain less than 3% extractables by the IP 346 DMSO test.

### SECTION 3 COMPOSITION/ INFORMATION ON INGREDIENTS

3.2 Mixtures Hazardous Ingredients	EC No.	REACH Reg. No.	GHS Classification	DSD Classification	Conc. %
White mineral oil (petroleum)	295-550-3	Not available	Asp. Tox. 1; H304	Xn; R65	80-90

### SECTION 4 FIRST AID MEASURES

4.1	<b>Description of first aid measures</b>	
	<b>Eyes</b>	Flush thoroughly with water. If irritation occurs, get medical assistance.
	<b>Skin</b>	Wash contact areas with soap and water. Remove contaminated clothing. Launder contaminated clothing before reuse.
	<b>Ingestion</b>	Seek immediate medical attention. Do not induce vomiting.
	<b>Inhalation</b>	Remove from further exposure. For those providing assistance, avoid exposure to yourself or others. Use adequate respiratory protection. If respiratory irritation, dizziness, nausea or unconsciousness occurs, seek immediate medical assistance. If breathing has stopped, assist ventilation with a mechanical device or use mouth-to-mouth resuscitation.



# SAFETY DATA SHEET

- 4.2 **Most important symptoms and effects, both acute and delayed** Headache, dizziness, drowsiness, nausea and other CNS effects.
- 4.3 **Indication of immediate medical attention and special treatment needed, if necessary** If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately.

## SECTION 5 FIRE-FIGHTING MEASURES

- 5.1 **Extinguishing media** Use water fog, foam, dry chemical or carbon dioxide (CO<sub>2</sub>) to extinguish flames. DO NOT USE straight streams of water.
- 5.2 **Specific hazards arising from the substance or mixture** Smoke, fume, incomplete combustion products, oxides of carbon.
- 5.3 **Advice for fire-fighters** Evacuate area. Prevent run-off from fire control or dilution from entering streams, sewers or drinking water supply. Fire fighters should use standard protective equipment and in enclosed spaces, self-contained breathing apparatus. Use water spray to cool fire exposed surfaces and to protect personnel.

## SECTION 6 ACCIDENTAL RELEASE MEASURES

- 6.1 **Personal precautions, protective equipment and emergency procedures** In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations. Avoid contact with spilled material. Warn or evacuate occupants in surrounding and downwind areas if required, due to toxicity or flammability of the material. See section 5 for fire fighting information. See section 4 for first aid advice. See section 8 for advice on the minimum requirements for PPE. For emergency responders – Respiratory protection: half-face or full face respirator with filters for organic vapour and when applicable, H<sub>2</sub>S or self-contained breathing apparatus can be used depending on the size of spill and potential level of exposure. Work gloves that are resistant to aromatic hydrocarbons are recommended.
- 6.2 **Environmental precautions** Dyke far ahead of liquid spill for later recovery and disposal. Prevent entry into waterways, sewers, basements or confined areas.
- 6.3 **Methods and material for containment and cleaning up** **Land Spill:** Stop leak if you can do so without risk. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Recover by pumping or with suitable absorbent. **Water Spill:** Stop leak if you can do so without risk. Warn other shipping. Remove from the surface by skimming or with suitable absorbents. Seek the advice of a specialist before using dispersants.
- 6.4 **Reference to other sections** Personal protective equipment: See section 8

## SECTION 7 HANDLING AND STORAGE

- 7.1 **Precautions for safe handling** Avoid contact with skin. Prevent small spills and leakage to avoid slip hazard. Material can accumulate static charges which may cause an electrical spark (ignition source). When the material is handled in bulk, an electrical spark could ignite any flammable vapours from liquids or residues that may be present. Use proper bonding and/or earthing procedures. However, bonding and earthing may not eliminate the hazard from static accumulation. Consult local applicable standards for guidance.
- 7.2 **Conditions for safe storage, including any incompatibilities** Keep container closed. Handle containers with care. Open slowly in order to control possible pressure release. Store in a cool, well-ventilated area. Storage containers should be earthed and bonded. Fixed storage containers, transfer containers and associated equipment should be earthed and bonded to prevent accumulation of static charge.
- 7.3 **Specific end use(s)** See section 1

## SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 **Control parameters**
- | Country | Substance | Long Term (8 Hours TWA) | Short Term (15 Mins) |
|---------|-----------|-------------------------|----------------------|
| UK      | None      | None                    | -                    |



# SAFETY DATA SHEET

## 8.2 Exposure controls

**Ventilation Procedures:** Adequate ventilation should be provided so that exposure limits are not exceeded. If engineering controls do not maintain airborne contaminant concentrations at a level which is adequate to protect worker health then use a half-face filter respirator. Type A filter material.

**Hand Protection:** Chemical resistant gloves. Nitrile, CEN standards EN 240 and EN 374 provide general requirements.

**Eye Protection:** Safety glasses with side shields

**Skin Protection:** Chemical/oil resistant clothing

**Hygiene Measures:** Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Discard contaminated clothing and footwear that cannot be cleaned. Practice good housekeeping.

## SECTION 9

## PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Does not constitute a specification

#### Typical Values

##### Grades:

##### Units

Micron GP 5

##### Appearance

Pale straw to water white liquid

##### Odour

Slight

##### Odour Threshold

No data available

##### pH

No data available

##### Relative density

##### kg/m<sup>3</sup>

0.830 at 20°C

##### Solubility - water

Insoluble

##### Pour point

##### °C

-20

##### Initial boiling point and range

##### °C

No data available

##### Flash point (COC)

##### °C

145

##### Flammability (solid, gas)

Not flammable

##### Upper/lower flammability or explosive limits

No data available

##### Vapour pressure

##### kPa 20

No data available

##### Partition coefficient n-octanol/water

##### Log Pow

No data available

##### Autoignition temperature

No data available

##### Decomposition temperature

No data available

##### Viscosity

##### mm<sup>2</sup>/s

5.06 @ 40°C

##### Evaporation rate

No data available

##### Vapour density

No data available

##### Explosive properties

Not explosive with air

##### Oxidising properties

None

### 9.2 Other Information

None

## SECTION 10

## STABILITY AND REACTIVITY

### 10.1 Reactivity

See sub-sections below.

### 10.2 Chemical stability

Stable under normal temperature conditions and recommended use

### 10.3 Possibility of hazardous reactions

None under normal processing

### 10.4 Conditions to avoid

Avoid heat, flames and the sources of ignition. Take precautionary measures against static discharges.

### 10.5 Incompatible materials

Strong acids. Strong oxidising substances.

### 10.6 Hazardous decomposition products

Thermal decomposition may liberate carbon oxides and other toxic gases or vapours. Aldehydes. Hydrocarbons.



# SAFETY DATA SHEET

## SECTION 11 TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### Acute Toxicity

- Oral May injure the lungs if aspiration occurs eg during vomiting.
- Inhalation No toxic components present at levels to cause classification.
- Dermal No toxic components present at levels to cause classification.

#### Corrosivity/Irritation

- Eye No components present that are classified as eye irritants.
- Skin No components present that are classified as skin irritants but may cause skin irritation due to de-fatting effect on skin.
- Respiratory Tract No components present that are classified as respiratory irritants.

#### Sensitisation

- Skin No evidence of sensitisation effects.
- Respiratory No evidence of sensitisation effects.

#### Repeated-dose Toxicity

No data available.

#### Mutagenicity

No evidence of mutagenicity.

#### Carcinogenicity

No evidence of carcinogenicity.

#### Reproductive Toxicity

No evidence of reproductive toxicity.

## SECTION 12 ECOLOGICAL INFORMATION

- 12.1 Toxicity Not available
- 12.2 Persistence and Degradability Inherently biodegradable
- 12.3 Bioaccumulative Potential Substance is a UVCB. Standard tests for this endpoint are not appropriate
- 12.4 Mobility in Soil Substance is a UVCB. Standard tests for this endpoint are not appropriate
- 12.5 Results of PBT and vPvB Assessment Not classified as PBT/vPvB by current EU criteria.
- 12.6 Other Adverse Effects No adverse effects are expected

## SECTION 13 DISPOSAL CONSIDERATIONS

### 13.1 Waste Treatment Methods

Product is suitable for burning in an enclosed controlled burner for fuel value or disposal by supervised incineration at very high temperatures to prevent formation of undesirable combustion products.

## SECTION 14 TRANSPORT INFORMATION

Not regulated for Transport

- 14.1 UN Number -
- 14.2 UN Proper Shipping Name -
- 14.3 Transport Hazard Class -
- 14.4 Packing Group -
- 14.5 Environmental Hazards Not classified as an Environmentally hazardous substance/Marine Pollutant
- 14.6 Special Precautions for User -
- 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not classified according to Annex II

## SECTION 15 REGULATORY INFORMATION

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture Supply regulations: DPD: Dangerous Preparations Directive; GHS: Globally Harmonised System of classification and labelling of chemicals; CLP: Classification, Labelling and Packaging regulations. Transport regulations: CDG: Carriage of Dangerous Goods regulations; ADR/RID/IMDG/ICAO/IATA regulations.
- 15.2 Chemical Safety Assessment A chemical safety assessment has been carried out for the substance that makes up this material.



# SAFETY DATA SHEET

<b>SECTION 16</b>	<b>OTHER INFORMATION</b>
-------------------	--------------------------

Third Issue  
Second issue November 2006: revised to re-format to REACH version 2.

**Full text of classification data in sections 2 and 3**

Asp. Tox. 1; H304                      Aspiration hazard, Hazard Category 1; May be fatal if swallowed and enters airways

Xn; R65                                      Harmful; may cause lung damage if swallowed