



EXCELLENCE IN LUBRICANTS

SAFETY DATA SHEET

Micron GHS 46



EXOL LUBRICANTS LIMITED

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Micron GHS 46

Product Code: L260

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

1.1 Product Identifier	Micron GHS 46
Product Code	L260
1.2 Relevant identified uses of the substance or mixture and uses advised against	Multi-functional oil for machine tooling and general factory equipment Do not use in any other application.
1.3 Company	Exol Lubricants Limited All Saints Road, Wednesbury, West Midlands, WS10 9TS
1.4 Emergency Telephone Number	+44 (0) 121 568 6800 (Monday – Friday 08.30 – 17.00 hrs GMT)
1.5 Other Information	Preparation Date: 27/02/2015

SECTION 2 HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture	Not classified as hazardous in accordance with CLP (EC 1272/2008) and DPD (1999/45/EC)
2.2 Label Elements	No labelling required
2.3 Other Hazards	DMSO extract <3 weight % (IP 346)

SECTION 3 COMPOSITION/ INFORMATION ON INGREDIENTS

3.2 Mixtures	EC No.	REACH Reg. No.	GHS Classification	DSD Classification	Conc. %
Hazardous Ingredients					
No hazardous ingredients present at a concentration at or exceeding the Declaration of Content Limit					

SECTION 4 FIRST AID MEASURES

4.1 Description of first aid measures	
Inhalation	If inhalation of mists, fumes or vapour causes irritation to the nose or throat, or coughing, remove to fresh air. If symptoms persist obtain medical advice.
Eyes	Wash eye thoroughly with copious quantities of water, ensuring eyelids are held open. Obtain medical advice if any pain or redness develops or persists.
Skin	Wash skin thoroughly with soap and water as soon as reasonably practicable. Remove heavily contaminated clothing and wash underlying skin.
Ingestion	If contamination of the mouth occurs, wash out thoroughly with water. Except as a deliberate act, the ingestion of large amounts of product is unlikely. If it should occur, do not induce vomiting; obtain medical advice.
4.2 Most important symptoms and effects, both acute and delayed	No ill effects known
4.3 Indication of immediate medical attention and special treatment needed, if necessary	Eye contact: immediately wash out with plenty of water

SECTION 5 FIRE-FIGHTING MEASURES

5.1 Extinguishing media	Foam, dry powder, carbon dioxide or water fog. Water can be used to cool and protect exposed material.
5.2 Specific hazards arising from the substance or mixture	This product may give rise to hazardous fumes in a fire.
5.3 Advice for fire-fighters	Wear self-contained breathing apparatus.



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SECTION 6 ACCIDENTAL RELEASE MEASURES

- 6.1 **Personal precautions, protective equipment and emergency procedures** Wear Personal Protective Equipment. Spilled material may make surfaces slippery. Where possible and without risk of injury, attempt to stop source of spill and contain. Protect environmentally sensitive areas and water supplies.
- 6.2 **Environmental precautions** Protect drains from potential spills to minimise contamination. Do not wash product into drainage system.
In the case of large spills contact the appropriate authorities. In the case of spillage on water, prevent the spread of product by the use of suitable barrier equipment. Recover product from the surface. Protect environmentally sensitive areas and water supplies.
- 6.3 **Methods and material for containment and cleaning up** Absorb into dry earth or sand, transfer into suitable containers for disposal.
- 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 eyes. If splashing is likely to occur wear a full face visor or chemical goggles as appropriate. Avoid direct contact with the substance.
Good working practices, high standards of personal hygiene and plant cleanliness must be maintained at all times. Wash hands thoroughly after contact. Use disposable cloths and discard when soiled. Do not put soiled cloths into pockets.
Use a suitable barrier cream at regular intervals.
- 7.2 **Conditions for safe storage, including any incompatibilities** Store in cool well-ventilated area in original packaging.
- 7.3 **Specific end use(s)** Intended for use as a multi-functional machine and general factory oil.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 **Control parameters**

Country	Substance	Long Term (8 Hours TWA)	Short Term (15 Mins)
EU	Oil Mist	5 mg/m ³	
- 8.2 **Exposure controls** Ensure adequate ventilation. Use personal protective equipment and/or local exhaust ventilation to control mists or vapours when needed.
Hand Protection: PVC gloves
Eye Protection: Safety glasses
Skin Protection: Normal work wear
Respiratory Protection: Not normally required.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Typical Values

Grades:		Micron GHS 46
	Units	
Appearance		Amber liquid
Odour		Characteristic
Odour Threshold		No data available
pH		Not applicable
Pour point/range	°C	No data available
Initial boiling point and range	°C	No data available
Flash point (COC)	°C	224
Auto Flammability	°C	No data available
Upper/lower flammability or explosive limits		Not applicable
Vapour pressure	hPa (20°C)	No data available
Relative density	kg/m ³	0.875 @ 15.6°C
Solubility - water	kg/m ³	Insoluble



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Partition coefficient n-octanol/water		No data available
Autoignition temperature		No data available
Decomposition temperature		No data available
Viscosity	mm ² /s	46.0 @ 40°C
	mm ² /s	6.70 @ 100°C
Evaporation rate		Not applicable
Vapour density		Not applicable
Explosive properties		None
Oxidising properties		None

9.2 Other Information None

SECTION 10 STABILITY AND REACTIVITY

10.1 Reactivity	No dangerous reactions known under normal conditions of use
10.2 Chemical stability	Stable under recommended storage conditions
10.3 Possibility of hazardous reactions	None known
10.4 Conditions to avoid	Keep away from fire, sparks and heated surfaces
10.5 Incompatible materials	Incompatible with strong acids and oxidising agents
10.6 Hazardous decomposition products	No hazardous decomposition products are known.

SECTION 11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute Toxicity

- Oral	Low order of acute toxicity
- Inhalation	Low order of acute toxicity
- Dermal	Low order of acute toxicity

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	No data available.
12.2 Persistence and Degradability	Not readily biodegradable.
12.3 Bioaccumulative Potential	No data available
12.4 Mobility in Soil	The product is insoluble in water and mainly not volatile. Product can penetrate soil until reaching the surface of ground water. Degradation occurs extremely slowly under anaerobic conditions.
12.5 Results of PBT and vPvB Assessment	This substance is not considered to be persistent, bioaccumulating nor toxic (PBT). This substance is not considered to be very persistent nor very bioaccumulating (vPvB).
12.6 Other Adverse Effects	Information given is based on data on the components and the ecotoxicology of similar products.



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SECTION 13 DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

Dispose in a regulated landfill site or other method for hazardous or toxic waste. Dispose of in accordance with local and national regulations.

SECTION 14 TRANSPORT INFORMATION

Not classified as hazardous for transport (ADR, RID, UN, IMDG, IMO, and IATA/ICAO).

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

No formal chemical safety assessment has been carried out.

SECTION 16 OTHER INFORMATION

Third Issue
Second Issue October 2012: Changed to new format.
First Issue July 2012: Changed composition information

Full text of classification data in sections 2 and 3
None