



EXCELLENCE IN LUBRICANTS

SAFETY DATA SHEET

Micron GP22



EXOL LUBRICANTS LIMITED

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Micron GP22

Product Code: L003

SECTION 1	IDENTIFICATION OF SUBSTANCE/MIXTURE AND OF COMPANY/UNDERTAKING
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1.1 Product Identifier	Micron GP22
Product Code	L032
1.2 Relevant identified uses of the substance or mixture and uses advised against	Non-additive containing lubricant for circulatory systems or for use as flushing oil. 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: 26/02/2015

SECTION 2	HAZARD IDENTIFICATION
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2.1 Classification of the substance or mixture	CLP Classification: Aspiration toxicant, Hazard Category 1; H304 Not classified as dangerous for the Environment ----- Classification to DPD (1999/45/EC) and CHIP Xn, R65, Harmful
<i>See section 16 for full text of H and R phrases</i>	
2.2 Label Elements	Labelling in accordance with CLP  DANGER (H304) May be fatal if swallowed and enters airways (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 in accordance with local regulations. Labelling in accordance with CHIP  R65: Harmful; may cause lung damage if swallowed
2.3 Other Hazards	S62: If swallowed, do not induce vomiting, seek medical advice immediately and show this container or label. Material can accumulate static charges which may cause an ignition. Material can release vapours that readily form flammable mixtures. Vapour accumulation could flash and/or explode if ignited. PBT: This substance is not identified as a PBT or vPvB substance.



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SECTION 3 COMPOSITION/ INFORMATION ON INGREDIENTS

3.2 Mixtures

Hazardous Ingredients	EC No.	REACH Reg. No.	GHS Classification	DSD Classification	Conc. %
Distillates (Petroleum), Hydrotreated Heavy Paraffinic	265-157-1	01-2119484627-25	Asp. Tox. 1; H304	Xn; R65	>99%
Distillates (Petroleum), Solvent-Dewaxed Heavy Paraffinic	265-169-7	01-2119471299-27	Asp. Tox. 1; H304	Xn; R65	>99%

SECTION 4 FIRST AID MEASURES

4.1 Description of first aid measures

Eyes	Flush thoroughly with water. If irritation occurs, get medical assistance.
Skin	Wash contact areas with soap and water. Remove contaminated clothing. Launder contaminated clothing before reuse.
Ingestion	Seek immediate medical attention. Do not induce vomiting.
Inhalation	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.

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 ₂) 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 ₂ 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



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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 | Distillates (Petroleum), Hydrotreated Heavy Paraffinic | 5mg/m ³ | - |
| UK | Distillates (Petroleum), Solvent-Dewaxed Heavy Paraffinic | 5mg/m ³ | - |
- 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:		Micron GP22
Appearance	Units	Pale Yellow Liquid
Odour		Slight
Odour Threshold		No data available
pH		No data available
Relative density	kg/m ³	0.9
Solubility - water		Negligible
Pour point	°C	-18
Initial boiling point and range	°C	>316
Flash point (COC)	°C	>194
Flammability (solid, gas)		Not flammable
Upper/lower flammability or explosive limits		LEL 0.9% UEL 7.0% (Est.)
Vapour pressure	kPa (0.1 mm Hg) @ 20°C	<0.013
Partition coefficient n-octanol/water	Log Pow	>3.5 (Est.)
Autoignition temperature		No data available
Decomposition temperature		No data available
Viscosity	mm ² /s	19.8 @ 40°C
Evaporation rate		No data available



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Vapour density >2 at 101 kPa
Explosive properties None
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 Excessive heat. High energy sources of ignition.
10.5 Incompatible materials Strong oxidising substances.
10.6 Hazardous decomposition products Material does not decompose at ambient temperatures.

SECTION 11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute Toxicity

-Oral LD50 Rat >5000 mg/kg.
-Inhalation LC50 Rat >5000 mg/m³
-Dermal LD50 Rabbit >5000 mg/kg

Corrosivity/Irritation

-Eye Mild, short-lasting discomfort to eyes.
-Skin Negligible irritation to skin at ambient temperatures
-Respiratory Tract No evidence that the material can lead to respiratory hypersensitivity.

Sensitisation

-Skin Not expected to be a skin sensitiser.
-Respiratory Not expected to be a respiratory sensitiser.

Repeated-dose Toxicity

No data available.

Mutagenicity

Not expected to be a germ cell mutagen.

Carcinogenicity

Not expected to cause cancer.

Reproductive Toxicity

Not expected to be a reproductive toxicant.

SECTION 12 ECOLOGICAL INFORMATION

12.1 Toxicity Not expected to be harmful to aquatic organisms.
12.2 Persistence and Degradability Inherently biodegradable
12.3 Bioaccumulative Potential Has the potential to bioaccumulate, however metabolism or physical properties may reduce the bioconcentration or limit bioavailability.
12.4 Mobility in Soil Low solubility and floats and is expected to migrate from water to the land. Expected to partition to sediment and wastewater solids. Low potential to migrate through soil
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 -



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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.

SECTION 16 OTHER INFORMATION

Fourth Issue
Third Issue March 2013: Changed to new format.
Second Issue January 2013: revised to update classification information
First issue 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