

SAFETY DATA SHEET

MOLYSLIP LQG ~ BULK

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

PRODUCT NAME: MOLYSLIP LQG - BULK LIQUID GREASE WITH MoS₂
PRODUCT CODE: 23***
SUPPLIER: Molyslip Atlantic Limited
1 Astrop Road
Middleton Cheney
Banbury, Oxon OX17 2PD
TEL: 01295 710001
FAX: 01295 712002
REVISION DATE: October 2001

2. COMPOSITION/INFORMATION ON INGREDIENTS

General: Liquid lubricating grease based on highly refined mineral oil (85%) thickened by calcium soaps, with Molybdenum Disulphide.

3. HAZARDS IDENTIFICATION.

Low hazard product.
May cause slight temporary irritation in the eye.
May cause slight skin irritation if contact is frequent or prolonged.

4. FIRST AID MEASURES:

Eyes: Irrigate immediately with copious quantities of water. If irritation persists see medical attention.
Skin: Wash thoroughly with soap and water.
Inhalation: Remove to fresh air. If effects persist, see medical advice.
Ingestion: DO NOT INDUCE VOMITING: Wash out mouth with water. Obtain medical attention showing this sheet.
Pressure Injection: Always obtain immediate medical attention although the injury may appear to be minor.

5. FIRE FIGHTING MEASURES.

Flammability: Product not classified as flammable but combustible.
Flash Point:(°c, pmcc): 233
Extinguishing Media: Use foam, Dry Powder, Co₂
Product of Combustion:

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Spilt product presents a significant slip hazard. Avoid exposure of this product to sources of ignition.
Environmental Precautions: Prevent entry into drains, sewers and water courses.
Decontamination Procedures: Soak up with inert absorbent or contain and remove by pumping or best available means.

7. HANDLING AND STORAGE

Keep containers tightly closed.
Store drums undercover in racking protected from mechanical impact. If stored outside, ingress of water should be avoided e.g. by placing drums on their side.
Avoid sources of ignition.
Compatible with most common metals.
Provide suitable mechanical equipment for safe handling of drums and heavy packages.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

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| Occupational Exposure limits: | Substance | 8-Hour TWA | STEL | Source/Other information |
|-------------------------------|-------------|--|---------------------|--------------------------|
| Engineering Control: | Mineral Oil | 5mg/m ³ | 10mg/m ³ | EH40 |
| Personal Protection: | | Local exhaust ventilation is recommended when excessive product misting occurs. Avoid skin and eye contact. Wear impervious gloves (e.g. of PVC), in cases of repeated or prolonged contact. Change contaminated clothing and thoroughly clean before re-use. | | |

9. PHYSICAL AND CHEMICAL PROPERTIES.

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|--|--|
| Appearance: | Black smooth |
| Odour: | Mild |
| Specific Gravity at 20°C: | 0.914 |
| pH: | N/A |
| Solubility: | Immiscible with water, miscible with petroleum solvents. |
| Flash Point (Closed Cup), °C: | 233 |
| Flammability Limit, in Air, % by Volume: | LEL: 1.5 UEL: 6.0 |
| Vapour pressure@ 20°C: | <0.01 mmHg |
| Vapour density (air=1): | N/A |
| Boiling Point (°C): | N/A |
| Pour Point/Melting Point (°C): | |
| Kinematic Viscosity at 40°C, mm ² s ⁻¹ : | Base Fluid Component 20.0 |

10. STABILITY AND REACTIVITY.

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|-----------------------------------|--------------------------|
| Stability: | Stable |
| Conditions to Avoid: | Extreme Temperatures |
| Materials to Avoid: | May soften some rubbers. |
| Hazardous Decomposition products: | None expected. |

11. TOXICOLOGICAL INFORMATION.

The following toxicological assessment is based on a knowledge of the toxicity of the product's components. Estimated oral LD₅₀ rat > 2g/Kg:

HEALTH EFFECTS.

| | |
|----------------|--|
| On Eyes: | |
| On Skin: | LD50(mg/kg body weight)>3000(rabbits, expected LD50) |
| By Inhalation: | LC50 (mg/litre) Not determined |
| By Ingestion: | LD50 (mg/kg body weight)>5000 (rats expected LD50) |
| Chronic: | |
| Other: | |

12. ECOLOGICAL INFORMATION

Biodegradability: <50% (CEC L-33-T-82)
Chemical Oxygen Demand (mgO₂/l): Not determined.
Mineral Oils are inherently but not readily biodegradable.
Leaching and penetration of mineral oils through surface soils is generally regarded as resulting in long term persistence.
Fresh or used mineral oils may be harmful to aquatic life.

13. DISPOSAL RECOMMENDATIONS.

Place used and contaminated materials/packaging in suitable containers.
Dispose of the controlled waste in accordance with Duty of Care regulations (Environmental Protection Act 1990 - Section 34 (7) using a licensed waste disposal company.

14. TRANSPORT INFORMATION

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|-------------------------------|--|----------------------|
| Classification for transport: | Not classified as hazardous for transport. | |
| UN Number: | N/A | Packaging Group: N/A |
| Shipping Name: | N/A | |
| IMO Class: | N/A | Marine Pollutant: NO |
| ADR/RID: | N/A | ICOA/IATA: |

15. REGULATORY INFORMATION.

MOLYSLIP LQG ~ BULK

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|-------------------------------|---|
| Hazard Label Data: | This product is NOT classified as dangerous for supply in the UK. |
| EC Directives: | Framework Waste Directive, 91/156/EEC Waste Oil Directive, 87/101/EEC |
| Statutory Instruments: | The Health & Safety at Works, etc. Act 1974. Consumer Protection Act 1987 Environmental Protection Act 1990 Control of Substances Hazardous to Health Regulations 1988 Chemicals (Hazard Information & Packaging) Regulations 1993. |

16. OTHER INFORMATION.

The data and advice given apply when the product is sold for the stated application or applications. The product is not sold as suitable for any other application. Use of the product for applications other than as stated in this sheet may give rise to risks not mentioned in this sheet. You should not use the product other than for the stated application or applications without seeking advice from us.

If you have purchased the product for supply to a third party for use at work, it is your duty to take all necessary steps to secure that any person handling or using the product is provided with the information in this sheet.

If you are an employer, it is your duty to tell your employees and others who may be affected of any hazards described in this sheet and of any precautions which should be taken.

APPROVED CODES OF PRACTICE: Waste Management. The Duty of Care.

GUIDANCE NOTES:

Occupational skin diseases: Health & Safety precaution (EH 26)
Occupational exposure limited (EH40)
The Carcinogenicity on mineral oils (EK 58)
Skin cancer caused by oils [MS (B) 5]
Save your skin! - Occupational Contact Dermatitis [MS (B) 6]
Dermatitis - cautionary notice [SHW 367]
Effects of mineral oil on the skin [SHW 397]

The above publications are available from HMSO and HSE Sources.