

725-4659.



SAFETY DATA SHEET

LPS 3 HEAVY-DUTY RUST INHIBITOR (BULK/LIQUID)

25056 2.00 GB EN 23.02.2000 MSDS.EN

SAFETY DATA SHEET Ref. No. 25056

1. PRODUCT AND COMPANY IDENTIFICATION

| | |
|------------------------|---|
| Trade Name | LPS 3 HEAVY-DUTY RUST INHIBITOR (BULK/LIQUID) |
| Manufacturer/Supplier | ROCOL Lubricants |
| Address | ROCOL House, Swillington, Leeds, LS26 8BS, ENGLAND |
| Phone Number | +44 (0) 113 2322700 |
| Fax Number | +44 (0) 113 2322760 |
| Emergency Phone Number | +44 (0) 113 2322600 |

2. COMPOSITION/INFORMATION ON THE COMPONENTS

Hazardous Components in Product for EC

| Component Name | Codes | Concentration | R Phrases | Classification |
|--|--|---------------|-----------|----------------|
| SEVERELY REFINED MINERAL OIL | 064742-52-5 | 10.00 - 15.00 | R10, R65 | |
| ALIPHATIC HYDROCARBON (<0.1% w/w BENZENE) | 064742-88-7 | 70.00 - 80.00 | R10, R65 | F, Xn, N |
| DIPROPYLENE GLYCOL METHYL ETHER | 034590-94-8 | 2.00 - 5.00 | R36/38 | Xi |
| R10 | R10 Flammable. | | | |
| R36/38 | R36/38 Irritating to eyes and skin. | | | |
| R65 | R65 Harmful: may cause lung damage if swallowed. | | | |
| F | F - Highly flammable | | | |
| N | N - Dangerous to the Environment | | | |
| Xi | Xi - Irritant | | | |
| Xn | Xn - Harmful | | | |

3. HAZARD IDENTIFICATION

| | |
|-----------------------------|---|
| Main Hazards | R10 Flammable. |
| Health Effects - Eyes | Liquid may cause slight transient irritation. |
| Health Effects - Skin | Repeated or prolonged contact may produce defatting of the skin leading to irritation and dermatitis. |
| Health Effects - Ingestion | Swallowing may have the following effects:- nausea. |
| Health Effects - Inhalation | Exposure to vapour at high concentrations may have the following effects:- nausea. drowsiness. |

4. FIRST AID MEASURES

| | |
|------------------------|--|
| First Aid - Eyes | Wash out eye with plenty of water. Obtain medical attention if soreness or redness persists. |
| First Aid - Skin | Wash skin with soap and water. Apply a reconditioning skin cream. |
| First Aid - Ingestion | Wash out mouth with water. Do not induce vomiting. Obtain medical attention. |
| First Aid - Inhalation | Remove from exposure. |

5. FIRE FIGHTING MEASURES

| | |
|--|--|
| Extinguishing Media | Use foam, dry chemical or carbon dioxide. |
| Unsuitable Extinguishing Media | Do not use water jet. |
| Special Hazards of Product | This product may give rise to hazardous fumes in a fire. |
| Protective Equipment for Fire-Fighting | Wear self contained breathing apparatus. |



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6. ACCIDENTAL RELEASE MEASURES

| | |
|--|---|
| Personal Precautions | Eliminate all sources of ignition. Ventilate the area. Material can create slippery conditions underfoot. |
| Environmental Precautions Spillages | Try to prevent the material from entering drains or water courses. Contain and absorb using earth, sand or other inert material. Transfer into suitable containers for recovery or disposal. |

7. HANDLING AND STORAGE

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|----------|--|
| Handling | Use in well ventilated area. |
| Storage | Storage temperature should be controlled to between 1 and 40 °C. |

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

| | |
|--|--|
| Occupational Exposure Standards SEVERELY REFINED MINERAL OIL | UK EH40: OES 5mg/m ³ 8h TWA. UK EH40: OES 10mg/m ³ 15min TWA. |
| ALIPHATIC HYDROCARBON (<0.1% w/w BENZENE) | An exposure limit of 300ppm (1330mg/m ³) 8h TWA is recommended. |
| DIPROPYLENE GLYCOL METHYL ETHER | An exposure limit of 100ppm is recommended. |
| Engineering Control Measures | Exposure to this material may be controlled in a number of ways. The measures appropriate for a particular worksite depend on how the material is used and on the potential for exposure. Use of the basic principles of Industrial Hygiene will enable this material to be used safely. |
| Respiratory Protection | Respiratory protection if there is a risk of exposure to high vapour concentrations. |
| Hand Protection | PVC or rubber gloves. |
| Eye Protection | Chemical goggles if there is a risk of splashing. |
| Body Protection | Normal work wear. |
| Protection During Application | During application, adequate ventilation must be provided. |

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--|--|
| Physical State | Liquid. |
| Colour | Brown. |
| Odour | Fruity. |
| Boiling Range/Point (°C) | 149 |
| Flash Point (PMCC) (°C) | 45 |
| Explosion Limits (%) | 0.7 to 6. (based on major component) |
| Solubility in Water (kg/m ³) | Insoluble. |
| Vapour Pressure (mm.Hg./20 °C) | <5 |
| Density (kg/m ³) | 0.83. (measured as kg/litre) |
| Viscosity (cSt) | Mobile liquid at ambient temperatures. |
| Vapour Density (Air = 1) | Heavier than air. |
| Evaporation Rate | 0.12 (referenced as n-butyl acetate = 1) |

10. STABILITY AND REACTIVITY

| | |
|----------------------------------|--|
| Stability | Stable under normal conditions. |
| Conditions to Avoid | High temperatures. |
| Materials to Avoid | Strong oxidising agents. |
| Hazardous Decomposition Products | Combustion will generate: smoke, possibly thick and choking, resulting in zero visibility. |

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11. TOXICOLOGICAL INFORMATION

| | |
|----------------|------------------------------|
| Acute Toxicity | Low order of acute toxicity. |
|----------------|------------------------------|

12. ECOLOGICAL INFORMATION

| | |
|---------------------------|---|
| Mobility | The product is insoluble in water. If released to water the product will float. The product will leach into soil. |
| Persistence/Degradability | The product is expected to be resistant to biodegradation. |
| Bio-accumulation | Product is not expected to bioaccumulate. |

13. DISPOSAL

| | |
|--------------------|--|
| Product Disposal | If recovery is not possible, allow the material to evaporate, provided it is safe to do so; if not then incinerate. Dispose of in accordance with all applicable local and national regulations. |
| Container Disposal | Labels should not be removed from containers until they have been cleaned. Do not cut, puncture or weld on or near to the container. Do not incinerate closed containers. |

14. TRANSPORT INFORMATION

| | |
|-----------------------------|---|
| UN Number | 1993 |
| UN Proper Shipping Name | Flammable liquid, n.o.s. (Naptha Petroleum) |
| UN Class | 3. |
| UN Packaging Group | III |
| UK Proper Shipping Name | Flammable Liquid N.O.S. (Naptha Petroleum) |
| UK Classification | 3 |
| UK Packing Group | III |
| UK Transport Category | 3 |
| ADR/RID - Class | 3 |
| ADR/RID - Item No. | 31b |
| IMDG - Proper Shipping Name | Flammable liquid, N.O.S. (Naptha Petroleum) |
| IMDG - Packaging Group | III |
| IMDG - Class | 3.3 |
| IMDG - Page No. | 3345 |
| IMDG - Marine Pollutant | P |
| IMDG - Ems Number | 3-07 |
| IMDG - MFAG Table Number | 311 |
| IATA - Proper Shipping Name | Flammable liquid, N.O.S. (Naptha Petroleum) |
| IATA - Packaging Group | III |
| IATA - Class | 3 |
| Tremcard No. TEC(R) | 527 |

15. REGULATORY INFORMATION

| | |
|-----------------------|--|
| Labelling Information | Flammable |
| R phrases | R10 Flammable. |
| S phrases | S16 Keep away from sources of ignition - No Smoking. S51 Use only in well ventilated areas. S23 Do not breathe vapour. S24/25 Avoid contact with skin and eyes. S2 Keep out of reach of children. |

16. OTHER INFORMATION

| | |
|-------------------|---|
| Product Use | For industrial use only. Corrosion inhibitor. |
| MSDS first issued | 16 September 1998 |

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16. OTHER INFORMATION

MSDS data revised

23 February 2000

17. NATIONAL LEGISLATION

EC Legislation

EC Directive 91/155/EEC defining the laying down and detailed arrangements for the system of specific information relating to dangerous preparations.

EC Directive 88/379/EEC relating to the classification, packaging and labelling of dangerous preparations.

UK Guidance Publications

EH40, Occupational Exposure Limits, HSE. Revised Annually.
 CHIP 97 Guidance on Regulations (ISBN 0-7176-1366-6) page 12 - reference application of the aspiration hazard (R65) to preparations.

To the best of our knowledge, the information contained herein is accurate. Although certain hazards may be described we cannot predict that these are the only hazards, or combination of hazards, that may exist in a workplace. This MSDS, therefore, forms a component only of a risk assessment carried out by, or on behalf of, the user.
