725-4659.



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

25056 2.00 GB EN 23.02.2000 MSDS.EN

25056 SAFETY DATA SHEET Ref. No.

PRODUCT AND COMPANY IDENTIFICATION 1.

LPS 3 HEAVY-DUTY RUST INHIBITOR **Trade Name**

(BULK/LIQUID) **ROCOL Lubricants** Manufacturer/Supplier ROCOL House, Address

Swillington, Leeds, LS26 8BS

ENGLAND

+44 (0) 113 2322700 **Phone Number** +44 (0) 113 2322760 **Fax Number** +44 (0) 113 2322600 **Emergency Phone Number**

COMPOSITION/INFORMATION ON THE COMPONENTS 2.

Hazardous Components in Product for EC

Classification Concentration R Phrases **Component Name** 10.00 - 15.00 064742-52-5 R10, R65

SEVERELY REFINED MINERAL OIL 70.00 - 80.00 F, Xn, N ALIPHATIC HYDROCARBON (<0.1% 064742-88-7 R10, R65 w/w BENZENE)

DIPROPYLENE GLYCOL METHYL 034590-94-8 2.00 - 5.00 R36/38 Χi

ETHER R10

R10 Flammable.

R36/38 Irritating to eyes and skin. R36/38

R65 Harmful: may cause lung damage if swallowed. R65

F - Highly flammable

N - Dangerous to the Environment Ν

Xi - Irritant Χi Xn - Harmful Χn

HAZARD IDENTIFICATION

R10 Flammable Main Hazards

Liquid may cause slight transient irritation. Health Effects - Eyes

Repeated or prolonged contact may produce defatting of the skin Health Effects - Skin

leading to irritation and dermatitis.

Swallowing may have the following effects:- nausea. Health Effects - Ingestion

Exposure to vapour at high concentrations may have the following Health Effects - Inhalation

effects:- nausea. drowsiness.

FIRST AID MEASURES 4.

Wash out eye with plenty of water. Obtain medical attention if First Aid - Eyes

soreness or redness persists.

Wash skin with soap and water. Apply a reconditioning skin cream. First Aid - Skin First Aid - Ingestion

Wash out mouth with water. Do not induce vomiting. Obtain medical

attention.

Remove from exposure First Aid - Inhalation

FIRE FIGHTING MEASURES 5.

Use foam, dry chemical or carbon dioxide **Extinguishing Media**

Do not use water iet. Unsuitable Extinguishing Media

This product may give rise to hazardous fumes in a fire. Special Hazards of Product

Wear self contained breathing apparatus Protective Equipment for Fire-Fighting



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ACCIDENTAL RELEASE MEASURES 6.

Eliminate all sources of ignition. Ventilate the area. Material can Personal Precautions

create slippery conditions underfoot.

Try to prevent the material from entering drains or water courses. **Environmental Precautions**

Spillages

Contain and absorb using earth, sand or other inert material. Transfer

into suitable containers for recovery or disposal.

HANDLING AND STORAGE **7**.

Use in well ventilated area. Handling

Storage temperature should be controlled to between 1 and 40 °C. Storage

EXPOSURE CONTROLS/PERSONAL PROTECTION 8.

Occupational Exposure Standards

UK EH40: OES 5mg/m3 8h TWA. UK EH40: OES 10mg/m3 15min SEVERELY REFINED MINERAL OIL

TWA. An exposure limit of 300ppm (1330mg/m3) 8h TWA is recommended.

ALIPHATIC HYDROCARBON (<0.1%

w/w BENZENE)

DIPROPYLENE GLYCOL METHYL

ETHER

An exposure limit of 100ppm is recommended.

Exposure to this material may be controlled in a number of ways. The **Engineering Control Measures** 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 if there is a risk of exposure to high vapour **Respiratory Protection**

concentrations.

PVC or rubber gloves. **Hand Protection**

Chemical goggles if there is a risk of splashing. **Eve Protection**

Normal work wear. **Body Protection**

During application, adequate ventilation must be provided **Protection During Application**

PHYSICAL AND CHEMICAL PROPERTIES 9.

Liquid. Physical State Brown. Colour Fruity. Odour 149 Boiling Range/Point (°C) Flash Point (PMCC) (°C)

0.7 to 6. (based on major component) **Explosion Limits (%)**

Insoluble. Solubility in Water (kg/m3) <5 Vapour Pressure (mm.Hg./20 °C)

0.83. (measured as kg/litre) Density (kg/m3)

Mobile liquid at ambient temperatures. Viscosity (cSt)

Heavier than air Vapour Density (Air = 1)

Evaporation Rate 0.12 (referenced as n-butyl acetate = 1)

STABILITY AND REACTIVITY **10**.

Stable under normal conditions. Stability

High temperatures. Conditions to Avoid Strong oxidising agents. **Materials to Avoid**

Combustion will generate: smoke, possibly thick and choking, resulting **Hazardous Decomposition Products**

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

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
IMDG - Class
IMDG - Page No.
IMDG - Marine Pollutant
IMDG - Ems Number
IMDG - MFAG Table Number
311

IATA - Proper Shipping Name Flammable liquid, N.O.S. (Naptha Petroleum)

IATA - Packaging Group
IATA - Class
3
Tremcard No. TEC(R)
527

15. REGULATORY INFORMATION

Labelling Flammable

Information

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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OTHER INFORMATION **16**.

23 February 2000 MSDS data revised

NATIONAL LEGISLATION

EC Directive 91/155/EEC defining the laying down and detailed **EC** Legislation

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.

EH40, Occupational Exposure Limits, HSE. Revised Annually. **UK Guidance Publications**

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.

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