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SAFETY DATA SHEET

LPS LST PENETRANT

(AEROSOL SPRAY CAN)

25041 3.00 GB EN 03.03.2000 MSDS.EN

SAFETY DATA SHEET Ref. No. 25041

1. PRODUCT AND COMPANY IDENTIFICATION

Trade Name	LPS LST PENETRANT (AEROSOL SPRAY CAN)
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
CARBON DIOXIDE AEROSOL PROPELLANT	000124-38-9	1.00 - 5.00		
ODOURLESS KEROSENE (<0.1% w/w BENZENE)	064742-47-8	60.00 - 90.00	R65	Xn
ALIPHATIC HYDROCARBON (<0.1% w/w BENZENE)	064742-30-9	15.00 - 30.00	R10, R65	Xn
R10	R10 Flammable.			
R65	R65 Harmful: may cause lung damage if swallowed.			
Xn	Xn - Harmful			

3. HAZARD IDENTIFICATION

Main Hazards	Not classified as hazardous.
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, drowsiness.
Health Effects - Inhalation	Exposure to vapour at high concentrations may have the following effects:- drowsiness.

4. FIRST AID MEASURES

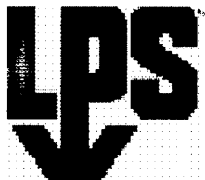
First Aid - Eyes	Wash out eye with plenty of water. Obtain medical attention if soreness or redness persists.
First Aid - Skin	Wash skin with soap and water. Apply a reconditioning skin cream.
First Aid - Ingestion	Do not induce vomiting. Obtain medical attention.
First Aid - Inhalation	Remove from exposure.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

5. FIRE FIGHTING MEASURES

Extinguishing Media	Use foam, dry chemical or carbon dioxide. Keep containers and surroundings cool with water spray.
Unsuitable Extinguishing Media	Do not use water jet.
Special Hazards of Product	Containers may explode in heat of fire. This product may give rise to hazardous fumes in a fire.
Protective Equipment for Fire-Fighting	Wear self contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Eliminate all sources of ignition. Ventilate the area. Wear appropriate protective clothing. Material can create slippery conditions underfoot.
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6. ACCIDENTAL RELEASE MEASURES

Environmental Precautions	Try to prevent the material from entering drains or water courses.
Spillages	Allow to evaporate if it is safe to do so or contain and absorb using earth, sand or other inert material. Transfer into suitable containers for recovery or disposal.

7. HANDLING AND STORAGE

Handling	Use in well ventilated area.
Storage	Storage area should be: out of direct sunlight. Storage temperature should be kept below 50 °C.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

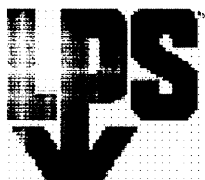
Occupational Exposure Standards	
CARBON DIOXIDE AEROSOL PROPELLANT	UK EH40: OES 5000ppm (9000mg/m3) 8h TWA. UK EH40: OES 15000ppm (27000mg/m3) 15min TWA.
ODOURLESS KEROSENE (<0.1% w/w BENZENE)	UK EH40: OES 1000mg/m3 8h TWA.
ALIPHATIC HYDROCARBON (<0.1% w/w BENZENE)	UK EH40: OES 5mg/m3 8h TWA. UK EH40: OES 10mg/m3 15min TWA.
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	Use a good quality barrier cream.
Eye Protection	Chemical goggles if there is a risk of eye contact.
Body Protection	Normal work wear.
Protection During Application	During application, adequate ventilation must be provided.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid.
Colour	Amber.
Odour	Faint.
Boiling Range/Point (°C)	177
Flash Point (PMCC) (°C)	79
Explosion Limits (%)	1 to 6. (based on major component)
Solubility in Water (kg/m3)	Insoluble.
Vapour Pressure (mm.Hg./20 °C)	<1
Density (kg/m3)	0.84. (measured as kg/litre)
Viscosity (cSt)	5 at 21 °C.
Vapour Density (Air = 1)	Heavier than air.
Evaporation Rate	<0.1 (referenced as n-butyl acetate = 1)

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions.
Conditions to Avoid	Exposure to direct sunlight. Temperatures in excess of 50 °C.
Materials to Avoid	Strong oxidising agents.
Hazardous Decomposition Products	Combustion will generate: smoke, possibly thick and choking, resulting in zero visibility. Combustion may also generate: oxides of sulphur.



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11. TOXICOLOGICAL INFORMATION

Acute Toxicity	Low order of acute toxicity.
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12. ECOLOGICAL INFORMATION

Mobility	The product is volatile/gaseous and will partition to the air phase. 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	Dispose of in accordance with all applicable local and national regulations.
Container Disposal	Plastic caps and empty aerosols may be recycled via appropriate routes. Empty aerosols may be disposed of by authorised landfill. Do not incinerate closed containers.

14. TRANSPORT INFORMATION

UN Number	1950
UN Proper Shipping Name	Aerosols
UN Class	2.1
UK Proper Shipping Name	Aerosols
UK Classification	2.1
UK Transport Category	2
ADR/RID - Class	2
ADR/RID - Item No.	5°F
IMDG - Proper Shipping Name	Aerosols
IMDG - Class	2.1
IMDG - Page No.	2102
IMDG - Ems Number	2-13
IMDG - MFAG Table Number	620
IATA - Proper Shipping Name	Aerosols, Flammable
IATA - Class	2.1
Tremcard No. TEC(R)	20G26

15. REGULATORY INFORMATION

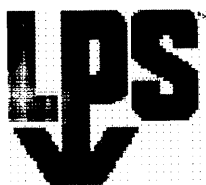
Labelling Information	None
R phrases	None.
S phrases	S16 Keep away from sources of ignition - No Smoking. S51 Use only in well ventilated areas. S23 Do not breathe spray. S2 Keep out of reach of children.

16. OTHER INFORMATION

Product Use	For industrial use only. Dewatering. Corrosion inhibitor.
MSDS first issued	10 September 1998
MSDS data revised	3 March 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. EC Directive 94/1/EC adapting some technicalities of Council Directive
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17. NATIONAL LEGISLATION

UK Guidance Publications

75/324/EEC on the approximation of the laws of Member States relating to aerosol dispensers.

EH40, Occupational Exposure Limits, HSE. Revised Annually.

CHIP 97 Guidance on Regulations (ISBN 0-7176-1366-6) page 39 para. 155 - reference application of the aspiration hazard (R65) to aerosols.

Approved Supply List (Third Edition)(ISBN 0-7176-1116-7)

Introduction, page xiv et seq - Notes H & L apply to the complex oil derived constituents of this preparation.

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.
