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SAFETY DATA SHEET

LPS TAPMATIC #1 GOLD CUTTING FLUID (BULK/LIQUID)

25092 1 00 GB EN 02 10.1998 MSDS_GB

SAFETY DATA SHEET Ref. No. 25092

1. PRODUCT AND COMPANY IDENTIFICATION

Trade Name	LPS TAPMATIC #1 GOLD CUTTING FLUID (BULK/LIQUID)
Manufacturer/Supplier	ROCOL Limited
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
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC DIALKYLONYL/PHOSPHOROUS ACID/ALKYL ALKANOLAMINE R38	064742-52-5 139496-98-3	70.00 - 90.00 1.00 - 5.00	 R38	 Irritating to skin.

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:- drowsiness. headache. nausea.
Health Effects - Inhalation	Exposure to vapour at high concentrations may have the following effects:- drowsiness. headache. nausea. Exposures during normal handling and use are likely to be well below those that would be expected to produce the above effects.

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 Have victim drink 1-3 glasses of water to dilute stomach contents.
First Aid - Inhalation	Remove from exposure.

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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.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Ventilate the area. Wear appropriate protective clothing.
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 temperature should be controlled to between 1 and 40 °C. Storage and transfer equipment should be adequately earthed and bonded to prevent the accumulation of static charges.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Standards DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC Engineering Control Measures	ACGIH. TLV 5mg/m ³ 8h TWA. ACGIH: STEL 10mg/m ³ 15min TWA.
Respiratory Protection	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.
Hand Protection	Respiratory protection if there is a risk of exposure to high vapour concentrations.
Eye Protection	PVC or rubber gloves.
Body Protection	Chemical goggles if there is a risk of splashing.
Protection During Application	Normal work wear.
	During application, adequate ventilation must be provided.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid.
Colour	Clear. Gold
Odour	Mild.
Boiling Range/Point (°C)	241
Flash Point (PMCC) (°C)	149
Solubility in Water (kg/m ³)	Insoluble.
Partition Coefficient (Log Pow)	>1
Evaporation Rate	<0.1 (referenced as n-butyl acetate = 1)

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10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions.
Conditions to Avoid	Temperatures in excess of 49 °C
Materials to Avoid	Strong oxidising agents.
Hazardous Decomposition Products	Combustion will generate: smoke, possibly thick and choking, resulting in zero visibility. Combustion can form carbon dioxide, carbon monoxide, hydrogen sulphide and oxides of sulphur and phosphorus.

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	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	Containers should be cleaned by appropriate methods and then re-used or disposed of by landfill or incineration as appropriate.

14. TRANSPORT INFORMATION

UN Class	Not classified.
ADR/RID - Class	Not classified.
IMDG - Class	Not classified.
IATA - Class	Not classified.

15. REGULATORY INFORMATION

Labelling Information	
R phrases	None.
S phrases	None.

16. OTHER INFORMATION

Product Use	For industrial use only. Cutting fluids.
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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.

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.
