

	SAFETY DATA SHEET Ref. No.	69006
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1. PRODUCT AND COMPANY IDENTIFICATION

Trade Name	ROCOL MOISTUREGUARD FLUID (GREEN)
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
NAPHTHA (PETROLEUM), HYDROTREATED HEAVY	064742-48-9	60.00 - 90.00	R10, R38, R53, R65	f, Xn, N
R10	R10 Flammable.			
R38	R38 Irritating to skin.			
R53	R53 May cause long-term adverse effects in the aquatic environment.			
R65	R65 Harmful: may cause lung damage if swallowed.			
N	N - Dangerous to the Environment			
Xn	Xn - Harmful			
f	Flammable			

3. HAZARD IDENTIFICATION

Main Hazards	Flammable. Harmful: may cause lung damage if swallowed. Irritating to skin.
Health Effects - Eyes	Liquid may cause slight transient irritation.
Health Effects - Skin	Material will cause irritation.
Health Effects - Ingestion	Swallowing may have the following effects:- nausea. lung damage.
Health Effects - Inhalation	Exposure to vapour at high concentrations may have the following effects:- drowsiness. Higher concentrations will have the following effects:- irritation of nose, throat and respiratory tract. 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. If any material enters the lungs, for example during swallowing or vomiting, obtain medical attention urgently. If vomiting occurs naturally, lean victim forward to reduce risk of aspiration.
	First Aid - Inhalation	Remove from exposure.
	Advice to Physicians	Keep under medical surveillance for 48 hours if aspiration could have occurred.

5. FIRE FIGHTING MEASURES

	Extinguishing Media	Use water spray, 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	Eliminate all sources of ignition. Ventilate the area. Material can create slippery conditions underfoot.
	Environmental Precautions	Try to prevent the material from entering drains or water courses.
	Spillages	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. To avoid the build-up of electrostatic charges, earth all containers and piping when transferring from one vessel to another.
	Storage	Storage temperature should be controlled to between 1 and 40 °C.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Standards

	NAPHTHA (PETROLEUM), HYDROTREATED HEAVY	An exposure limit of 140ppm 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.
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	Colour	Green.
	Odour	Characteristic.
	Boiling Range/Point (°C)	Boils above 150.
	Flash Point (PMCC) (°C)	Exceeds 40.
	Explosion Limits (%)	0.6 to 0.7. (based on major component)
	Solubility in Water (kg/m3)	Insoluble.
	Vapour Pressure (kPa)	0.2 at 20 °C.
	Density (kg/m3)	0.82. (measured as kg/litre)
	Auto-flammability (°C)	Above 200.
	Viscosity (cSt)	Mobile liquid at ambient temperatures.
	Vapour Density (Air = 1)	Heavier than air.
	Evaporation Rate	0.2 (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.

11. TOXICOLOGICAL INFORMATION

	Acute Toxicity	Low order of acute toxicity.
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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	3295
	UN Proper Shipping Name	Hydrocarbons, liquid, N.O.S. (Cyclononanes and Cyclodecanes Mixture)
	UN Class	3
	UN Packaging Group	III
	UK Proper Shipping Name	Hydrocarbons, liquid, N.O.S. (Cyclononanes and Cyclodecanes Mixture)
	UK Classification	3
	UK Packing Group	III
	UK Transport Category	3

ADR/RID - Class	3
ADR/RID - Item No.	31(c)
IMDG - Proper Shipping Name	Hydrocarbons, liquid, N.O.S. (Cyclononanes and Cyclodecanes Mixture)
IMDG - Packaging Group	III
IMDG - Class	3.3
IMDG - Page No.	3352
IMDG - Marine Pollutant	No.
IMDG - Ems Number	3-07
IMDG - MFAG Table Number	310
IATA - Proper Shipping Name	Hydrocarbons, liquid, N.O.S. (Cyclononanes and Cyclodecanes Mixture)
IATA - Packaging Group	III
IATA - Class	3
Tremcard No. TEC(R)	754

15. REGULATORY INFORMATION

Labelling Information		Flammable		Harmful		
R phrases	R10 Flammable. R38 Irritating to skin. R65 Harmful: may cause lung damage if swallowed.					
S phrases	<p>S51 Use only in well ventilated areas. S23 Do not breathe vapour.</p> <p>S62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.</p> <p>S2 Keep out of reach of children.</p>					

16. OTHER INFORMATION

Product Use	For industrial use only. Corrosion inhibitor.
MSDS first issued	22 March 2000
MSDS data revised	

17. NATIONAL LEGISLATION

EC Legislation	<p>EC Directive 91/155/EEC defining the laying down and detailed arrangements for the system of specific information relating to dangerous preparations.</p> <p>EC Directive 88/379/EEC relating to the classification, packaging and labelling of dangerous preparations.</p>
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.