

SAFETY DATA SHEET
GLOBAL ROPELUBE SPRAY
GB Current 02.08.1997

SAFETY DATA SHEET Ref No. 10118

1. PRODUCT AND COMPANY IDENTIFICATION

Trade Name ROPELUBE SPRAY
Manufacturer/Supplier Global Lubricants Limited
Address 7 Sandwell Business Development Centre, Oldbury Rd,
Smethwick, West Midlands, B66 1NN, England

Phone Number +44 (0) 121 544 3638
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2. COMPOSITION/INFORMATION ON THE COMPONENTS

Preparation - Hazardous Components	Min% Max%	EEC Classification
Component : 1. Butane/Isobutane	2.50 - 10.00	R12 F+
2. Aliphatic Hydrocarbon solvent	25.00 - 50.00	R11-65 F, Xn
3. Propane	10.00 -25.00	R12 F+

3. HAZARD IDENTIFICATION

Main Hazards Extremely 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. 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. Give nothing by mouth.

5. FIRE FIGHTING MEASURES

Extinguishing Media	Keep containers and surroundings cool with water spray. Use foam, dry chemical or carbon dioxide.
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. Material can create slippery conditions underfoot.
Environmental Precautions	Try to prevent the material from entering drains or water courses. Advise Authorities if spillage has entered water course or sewer or has contaminated soil or vegetation.
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 kept below 50 °C. Storage area should be: out of direct sunlight.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Standards	
1. Butane	UK EH40: OES 600ppm 8h TWA. UK EH40: OES 750ppm 15min TWA.
2. Aliphatic hydrocarbon solvent	OES 300ppm 8h TWA.
3. Propane	Simple asphyxiant.
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	Black.
Odour	Characteristic.
Boiling Range/Point (°C)	Boils above 90.
Flash Point (PMCC) (°C)	<0 (based on major component)
Explosion Limits (%)	Not determined.
Solubility in Water	Insoluble.
Vapour Pressure (mm. Hg./20 °C)	Not determined.
Density (kg/m³)	0.87. (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 (referenced as n-butyl acetate = 1)	>1

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions.
Conditions to Avoid	Temperatures in excess of 50 °C. Exposure to direct sunlight.
Materials to Avoid	Strong oxidising agents.
Hazardous Products	Decomposition 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 volatile/gaseous and will partition to the air phase. If released to water the product will float.
Persistence/Degradability	The product is expected to be resistant to biodegradation.
Bio-accumulation	Product is not expected to Bio-accumulate.

13. DISPOSAL

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, flammable, n.o.s.
UN Class	2.1
UN Packaging Group	II
ADR/RID Substance Identification No	1950
ADR/RID - Description	Aerosols.
ADR/RID - Class	2
ADR/RID - Item No.	10(b)2
IMDG - Proper Shipping Name	Aerosol Dispensers.
IMDG - Packaging Group	II
IMDG - Class	9
IMDG - Marine Pollutant	No.
IMDG - Ems Number	2-13
IMDG - MFAG Table Number	260
IATA - Proper Shipping Name	Aerosols, flammable, n.o.s.
IATA - Packaging Group	II
IATA - Class	2.1
Tremcard No. TEC(R)	20G26

15. REGULATORY INFORMATION

Labelling Information	Extremely flammable
R phrases	12 Extremely flammable.
S phrases	16 Keep away from sources of ignition - No Smoking. 46 If swallowed seek medical attention and show container or label. 26 In case of contact with eyes, rinse immediately with plenty of cold water and seek medical advice. 2 Keep out of reach of children.
P phrases	Do not breathe vapour or spray

16. OTHER INFORMATION

Product Use	For industrial use only. Lubricant.
MSDS first issued	02 August 1997
MSDS data revised	

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

UK Guidance Publications

EH40, Occupational Exposure Limits, HSE. Revised Annually.