

SAFETY DATA SHEET
GLOBALKOTE LD
10026 2.00 GB Current 20.11.1997

SAFETY DATA SHEET Ref No. 10026

1. PRODUCT AND COMPANY IDENTIFICATION

Trade Name	GLOBALKOTE LD
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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Emergency Phone Number	+44 (0) 7710 754382

2. COMPOSITION/INFORMATION ON THE COMPONENTS

Hazardous Components in Product for EC

Component Name	% Conc Range	R Phrases	Classification
1.(2)-9-Octadecenoic acid methyl ester	25.00 -50.00	R11,65	F Xn
2.Propane	25.00 -50.00	R12	F+
3.Butane	25.00 -50.00	R12	F+
4.Naphtha (petroleum) hydrodesulphurised heavy	1.00 - 2.50	R10,65	Xn

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.

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. Aliphatic hydrocarbon solvent | An exposure limit of 300ppm is recommended. |
| 2. Propane | Simple asphyxiant. |
| 3. Butane | UK EH40: OES 600ppm 8h TWA. UK EH40: OES 750ppm 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	Varies with product.
Odour	Characteristic.
Boiling Range/Point	Boils above 100. (°C)
Flash Point (Abel)	40 (°C)
Explosion Limits (%)	Not determined.
Solubility in Water	Partially Miscible
Vapour Pressure	47 (mm Hg./20 °C)
Density (kg/m ³)	0.694. (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	2.1 (referenced as n-butyl acetate =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.

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	1950
Identification Number	
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	310
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 Extremely flammable.

S phrases Keep away from sources of ignition - No Smoking. Do not breathe spray. Use only in well ventilated areas. Keep out of reach of children.

16. OTHER INFORMATION

Product Use	For industrial use only. Corrosion inhibitor.
MSDS first issued	20 November 1997
MSDS data revised	25 September 1998
Revisions Highlighted Preparation -	Hazardous Components

17. NATIONAL LEGISLATION

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