

SAFETY DATA SHEET
KUTAMATIC Spray
10005 1.00 GB Current 16.07.1996

SAFETY DATA SHEET Ref No. 10005

1. PRODUCT AND COMPANY IDENTIFICATION

Trade Name KUTAMATIC Spray
Address Global Lubricants Ltd.
7 Sandwell Business Development Centre,
Oldbury Rd, Smethwick, West Midlands, B66 1NN, England.

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

Hazardous Components in Product for EC		
Component Name	%Concentrate	R Phrases Classification
1. Butane	2.50 - 10.00	R13 F

3. HAZARD IDENTIFICATION

Main Hazards Highly 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 Do not use water jet.

Extinguishing Media

Special Hazards of Product Containers may explode in heat of 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	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

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	Brown.
Odour	Pine.
Boiling Range/Point	(Boils above 30. °C)
Flash Point (PMCC)	(<0 (based on major component) °C)
Explosion Limits (%)	Not determined.
Solubility in Water	Partially miscible
Vapour Pressure (mm.Hg./20 °C)	>10000
Density (kg/m³)	1 (measured as kg/litre)
Auto-flammability (°C)	Above 200.
Viscosity (cSt)	Mobile liquid at ambient temperatures.
Vapour Density	(Air = Heavier than air. 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 Decomposition Products	Combustion will generate: oxides of carbon. hydrogen chloride. oxides of sulphur.

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 bioaccumulate.

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. (Pentane)
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 No 310
IATA - Proper Shipping Name Aerosols, flammable, n.o.s. (Pentane)
IATA - Packaging Group II
IATA - Class 2.1
Tremcard No. TEC(R) 20G26

15. REGULATORY INFORMATION

Labelling Information Extremely Flammable

R phrases 13 Extremely flammable.
S phrases 46 If swallowed seek medical advice immediately and show container or label.
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
2 Keep out of reach of children.

P phrases Do not breathe spray. Use only in well ventilated areas.
EC Annex I F - Highly flammable Classification

16. OTHER INFORMATION

Product Use	For industrial use only. Metal working lubricant.
MSDS first issued	16.07.97
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.