

SAFETY DATA SHEET
GLOBAL MR2
10045 1.00

SAFETY DATA SHEET Ref No. 10045

1. PRODUCT AND COMPANY IDENTIFICATION

Trade Name	GLOBAL MR 2
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
Fax Number	+44 (0) 121 544 3638
Emergency Phone Number	+44 (0) 410 754382

2. COMPOSITION/INFORMATION ON THE COMPONENTS

Preparation - Hazardous Components Component	Min%	Max%	EEC Classification	
Acetone	2.50	10.00	F	R11
Butane / Isobutane	25.00	50.00	F+	R12
Aliphatic hydrocarbon solvent	25.00	50.00	F Xn	R65 R11
Propane	25.00	50.00	F+	R12

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

Keep containers and surroundings cool with water spray. Use foam, dry chemical or carbon dioxide. Do not use water jet. Containers may explode in heat of fire. Decomposition products include hydrogen fluoride. Wear self contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Eliminate all sources of ignition. Ventilate the area. Material can create slippery conditions underfoot. 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. 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. Avoid breathing mist or vapour from heated material.
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

Acetone F 11	UK EH40: OES 750ppm 8h TWA. UK EH40: OES 1500ppm 15min TWA.
Butane F+ 12	UK EH40: OES 600ppm 8h TWA. UK EH40: OES 750ppm 15min TWA.
Aliphatic hydrocarbon Solvent Xn F 11-65	UK EH40: OES 300ppm 8h TWA. UK EH40:
Propane F+ 12	

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	Hazy almost colourless Liquid.
Odour	Characteristic.
Boiling Range/Point (°C)	Boils above 55.
Flash Point (Abel) (°C)	40 (based on major component)
Explosion Limits (%)	Not determined.
Solubility in Water	Immiscible.
Vapour Pressure (mm.Hg./20 °C)	185 (based on major component)
Density (kg/m³)	0.705. (measured as kg/litre)
Auto-flammability (°C)	Above 200.
Viscosity (cSt)	Mobile liquid at ambient temperatures.
Vapour Density (Air =1)	Heavier than air.

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. Combustion may also generate: decomposition products that may lead to polymer fume fever (24 - 48 hr influenza-like symptoms).

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 Identification Number	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 - MFRAG Table Number	300
IATA - Proper Shipping Name	Aerosols, flammable, n.o.s.
IATA - Packaging Group	II
IATA - Class	2.1

15. REGULATORY INFORMATION

Labelling Information	F+ Extremely Flammable
R phrases	12 Extremely Flammable.
S phrases	16 Keep away from sources of ignition - No Smoking. 46 If swallowed seek medical advice immediately and show this container or it's label. 26 In case of contact with eyes rinse immediately with 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.
Text of risk phrases in section 8	R11 HIGHLY FLAMMABLE R12 EXTREMELY FLAMMABLE R65 HARMFUL MAY CAUSE LUNG DAMAGE IF SWALLOWED
MSDS first issued	20 NOV 1998
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.