

SAFETY DATA SHEET
GLOBAL FIRESAFE 46
10128 1.00 GB Current 21.06.1997

SAFETY DATA SHEET Ref No. 10128

1. PRODUCT AND COMPANY IDENTIFICATION

Trade Name GLOBAL FIRESAFE 46
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 6505
Emergency Phone Number +44 (0) 7710 754382

2. COMPOSITION/INFORMATION ON THE COMPONENTS

Hazardous Ingredients Name	Cas No	% Conc	Hazard	Risk Phrases	Exposure Limits
Ethan-1, 2-diol	107-21-1	10-20%	Xn	R22	OEL
2, 2-oxydiethanol	111-46-6	15-25%	Xn	R22	OEL

3. HAZARD IDENTIFICATION

**This material is harmful if swallowed. Drowsiness, coma and injury to the kidneys
Can be caused by ingestion of the product. Ingestion of large quantities can be fatal.**

4. FIRST AID MEASURES

First Aid - Eyes Flush immediately with running water for at least 15 mins. Seek medical advice. .

First Aid - Skin Following contact with product wash with soap and warm water without delay. Heavily contaminated clothing should be removed and washed / laundered before re-use. Seek medical attention if irritation is severe or persist.

First Aid - Ingestion Wash mouth out with water and seek medical attention. Do not allow product to be swallowed, but water to drink may be given. Do not induce vomiting.

First Aid – Inhalation Remove patient to fresh air. Seek medical attention if symptoms persist. Apply artificial respiration if breathing has stopped.

5. FIRE FIGHTING MEASURES

Flammability: Combustible when water has evaporated

Extinguishing media Chemical foam, dry powder, CO₂, water fog

**Unsuitable extinguishing
Materials** Do not use water jets

**Combustion products /
Special hazards** Complete combustion produces oxides of carbon and nitrogen. In a typical fire unidentified organic or inorganic compounds which should be regarded as potentially toxic may be produced.

Protective equipment Fire fighters should wear respiratory protection.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Wear personal protective equipment as detailed in section 8.
Environmental precautions:	Prevent entry into drains, sewers and water courses. Advise local authorities and/or Environment Agency if spillage has entered a watercourse or sewer or has contaminated soil or vegetation.
Clean up Procedures:	Contain the spillage using absorbent granules, earth or sand. Transfer liquid directly, or by using absorbent materials to a suitable marked container. Disposal of the product and any contaminated absorbents must be carried out via a licensed waste disposal contractor.

7. HANDLING AND STORAGE

Handling	Adopt good normal working practices and personal hygiene standards. Wash hands after use, before eating, drinking or smoking, and before or after using the toilet.
Storage	Store in dry conditions protected from extremes of temperature and frost. Store away from sources of ignition, naked flames or hot elements. NO smoking.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with assigned exposure limits

Name	Type of limit	Long term exposure limit (8hr TWA)	Short term exposure limit (15 min)
Ethan-1-2-diol, Particulate	OEL	10mg/m ³	
Ethan-1, 2-diol Vapour	OEL	60mg/m ³	125mg/m ³
2,2-oxydiethanol	OEL	101mg/m ³	

Engineering control measures

Wherever practicable, the product should be handled in a closed system.

Respiratory

Not considered necessary in normal conditions of use. When used at elevated temperatures or where spray / vapour will be produced ensure good ventilation. The use of respiratory protection giving protection against organic vapours may be necessary if ventilation is inadequate.

Hand

PVC gloves.

Body

Overalls.

Eyes

Chemical splash goggles.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid
Specific gravity @ 15.5°C	1.07
Odour	Mild
Flash Point	>300°C
Solubility in Water	Soluble
Colour	Colourless
Flammability Limit in air(°C) upper	Not determined
lower	Not determined
Auto ignition temp	Not determined
pH	9.1

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions of use and storage.
Conditions to avoid	Extremes of temperature, ideally store between 5 and 30°C.
Materials to avoid	Store away from oxidising agents.
Thermal decomposition Products	Complete combustion will result in the formation of oxides of carbon and nitrogen. Incomplete combustion organic and inorganic compounds which may be hazardous. The identity of these compounds will be dependant upon the conditions leading to decomposition.

11. TOXICOLOGICAL INFORMATION

Acute Oral Toxicity	Based on data related to its components this product may cause drowsiness, coma and injury to the kidneys if ingested. Large quantities may prove fatal. Oral LD50 (rat) for Ethan-1, 2-diol is 6000-13,000 mg/kg.
Eyes	This product may cause some slight transient soreness
Skin:	This product is not expected to be irritant where brief or infrequent skin contact arises. Prolonged or repeated contact may cause defatting of the skin and subsequent irritation.
Inhalation:	Inhalation may cause drowsiness and ultimately unconsciousness.

12. ECOLOGICAL INFORMATION

Mobility	Relatively high due to solubility in water
Persistence / degradability	The product is expected to be inherently but not readily biodegradable
Ecotoxicity	The components of this product are not classified as toxic to aquatic organisms.

13. DISPOSAL

All disposal of product and containers should be carried out in accordance with local regulations. In the UK, the product, the used product and containers would normally be classified as Special Waste. A licensed waste management contractor should be consulted.

14. TRANSPORT INFORMATION

Not classified as hazardous for transport

UN No:
UN Class
Proper shipping name
Packaging Class
ADR/RID
UK CPL-CDR Emergency Action Code

15. REGULATORY INFORMATION

This product has been classified according to European directives 67/548 EEC and 88/359 EEC on the classification of dangerous substances and preparations.

Classification	Harmful	Contains	Ethan-1, 2-diol, 2,2-oxydiethanol
Risk Phrases	R22	Harmful if swallowed	
Safety Phrases	S23 S46	Do not breathe vapour or spray If swallowed seek medical attention immediately and show this container or label.	

16. OTHER INFORMATION

Product Use	For industrial use only.
MSDS first issued	21.06.97
MSDS data revised	