

SAFETY DATA SHEET
GLOBAL PTFE DISPERSION

SAFETY DATA SHEET Ref No. 10188

1. PRODUCT AND COMPANY IDENTIFICATION

Trade Name	<u>GLOBAL PTFE DISPERSION</u>
Product Type	TEFLON DISPERSION
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) 710 754382

2. COMPOSITION/INFORMATION ON THE COMPONENTS

Composition:	Hydrocarbon solvent, mineral oil and film forming corrosion preventatives		
Hazard Ingredients	% Mass	R Phrases	Cas No:
Isopropanol	80-88	Xi R38/67	67-63-0
Telomers of tetrafluoroethylene	14-20	R38	

3. HAZARD IDENTIFICATION

HIGHLY FLAMMABLE

Harmful by inhalation and if swallowed

Skin contact may cause defatting and irritation

Mist or vapours may cause irritation to the respiratory tract (see Section 11)

Eye irritation can be caused by the liquid or vapour

4. FIRST AID MEASURES

First Aid - Eyes	Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention if any discomfort continues. Continue for at least 15 mins.
First Aid - Skin	Promptly wash contaminated skin with soap or mild detergent. Promptly remove any clothing. Obtain medical attention if symptoms occur after washing.
First Aid - Ingestion	NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS. Obtain medical attention. Rinse mouth thoroughly with water and give large amounts of milk or water. DO NOT induce vomiting. Beware of aspiration if vomiting occurs.

First Aid - Inhalation Remove from exposure.

5. FIRE FIGHTING MEASURES

Extinguishing Media Use foam, dry powder or CO₂

Flash point (°C, pmcc) 40°C min

Flammability This product is FLAMMABLE

Products of combustion Obnoxious and toxic fumes

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Immediately issue NO SMOKING and NO NAKED FLAMES warnings. Isolate all electrical ignition sources. Spilt product presents a significant slip hazard.

Environmental Precautions Prevent entry into drains, sewers or water courses
Risk of concentrating explosive vapours.

Decontamination Procedures Soak up with inert absorbent or contain and remove by best available means. Dispose of as flammable waste.

7. HANDLING AND STORAGE

Keep containers tightly closed

Use only in well ventilated areas do not use in confined areas.

Store containers undercover in racking protected from mechanical impact. If stored outside ingress of water should be avoided e.g. by placing containers on their side.

Avoid sources of ignition

A bunded storage area may be required

Compatible with most common metals

May soften certain rubbers

Provide suitable mechanical equipment for the safe handling of drums and heavy packages

Storage temperature: 5 – 30°C

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits	<u>Substance</u>	<u>8 Hour TWA</u>	<u>STEL 10 mins</u>
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	Isopropanol	999 mgM ⁻³	1250 mgM ⁻³
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**Source / Other information
Engineering Control
Measures**

EH 40
Local exhaust ventilation is recommended
All equipment must be electrically grounded.
Use flameproof equipment and isolate all potential sources of ignition.
Mechanical methods to minimise exposure must take precedence over personal protective measures.

Personal Protection

Safety glasses, impervious gloves (e.g. PVC), plastic apron. Change contaminated clothing immediately and clean before re-use. In case of insufficient ventilation wear suitable respiratory equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid.
Appearance	Clear white alcoholic fluid
Colour	White.
Odour	Alcoholic solvent
Boiling Point/Range	82 (°C)
Flash Point	12 (°C) min
Explosive Properties (%)	2.0 – 12.7 vol
Solubility in Water	Dispersible
Vapour Pressure (kPa @ 20 °C)	44nPa
Density (gcm ⁻³ @ 15 ⁰ C)	0.903 typical
Auto-flammability (°C)	Autoignition temperature above 200.

10. STABILITY AND REACTIVITY

Stability	Stable, will not polymerise
Conditions to Avoid	Temperatures in excess of 30 °C. Any sources of ignition
Materials to Avoid	Strong oxidising agents.
Hazardous Products decomposition.	Irritant fumes. Do not breathe products of decomposition.

11. TOXICOLOGICAL INFORMATION

The following toxicological assessment is based on a knowledge of the toxicity of the products components. Estimated oral LD₅₀ rat > 11000mg/kg. Estimated dermal LD₅₀ rabbit >12800mg/kg.

Health Effects

On eyes:	Causes irritation. Vapour may cause irritation
On skin:	Defats the skin. May cause irritation
By inhalation:	Mist and vapours may cause irritation to nose and respiratory tract. Vapours may cause headaches, dizziness and central nervous system depression.
By ingestion:	May cause nausea, vomiting and diarrhoea. Aspiration of liquid during ingestion or vomiting may cause severe chemical pneumonitis.
Chronic:	Repeated and prolonged skin contact may lead to skin disorders. Long term vapour inhalation can cause kidney damage.
Other:	None known.

12. ECOLOGICAL INFORMATION

Mobility	Volatile mobile liquid. Contains volatile organic Compounds.
Persistence/ Degradability	Not readily biodegradable but is inherently biodegradable. Volatile organic compounds undergo photochemical degradation in the atmosphere.
Bioaccumulative Potential	Bioaccumulative, however with short retention period of the order of one week or less.
Ecotoxicity	Moderately ecotoxic to marine organisms.
Environmental Assessment	May cause significant ecological damage in aquatic systems and must be used and disposed of in accordance with the recommendations made in this safety data sheet.

13. DISPOSAL

Place used and contaminated materials / packaging in suitable containers. Dispose of the Controlled waste in accordance with Duty of Care regulations (Environmental Protection Act 1990 – Section 34 (7)) using a licensed waste disposal company.

14. TRANSPORT INFORMATION

UN/ SI Number	1219		
IMO	Class 3.3	Packaging Group	111
Marine Pollutant	No		
IATA - ICAO	Class 3	Packaging Group	111
ADR	Class 3(b)	Item	31(b)
Transport name	Contains Isopropanol–NOS		

Hazchem / Kemler Code

30[G]30-G

15. REGULATORY INFORMATION

Labelling Information

Xi Irritant F highly Flammable

R phrases

R11 Highly Flammable
R67 Vapours may cause drowsiness and
dizziness
R36 Irritating to eyes

S phrases

S7 Keep container tightly closed
S 16 Keep away from sources of ignition
S23 Do not breathe vapour or spray
S24/25 Avoid contact with eyes and skin
S42 During spraying wear suitable respiratory
equipment
S43 In case of fire use foam / dry powder or CO²
– NEVER USE WATER.
S51 Use only in well ventilated areas.
S60 This material and its container must be
disposed of as hazardous waste.

EC Directives

Dangerous Preparations Directive 88/379/EEC
Safety Data Sheets Directive 91/155/EEC
Framework waste Directive 91/156/EEC

Statutory Instruments

Health & Safety at Work etc Act 1974
Classification, Packaging & Labelling of
Dangerous Substances Regs 1984 (SI 1244)
Consumer Protection Act 1987
Control of Substances Hazardous to Health Regs
1988 (SI 1657)
Environmental Protection Act 1990
Road Traffic (Carriage of Dangerous Substances
in Packages etc) Regs 1992 (SI 742)

16. OTHER INFORMATION

Information approved for the classification, packaging and labelling of dangerous substances for supply and conveyance by road (Third Edition).

European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR).

International Maritime Dangerous Goods Code (TMDG Code).

Dangerous Goods Regulations IATA.

Technical Instructions for the Safe Transport of Dangerous Goods by Air ICAO.

Evaluation of the Hazards of Harmful Substances Carried by Ships (GESAMP Reports and Studies No 35).

The data and advice given apply when the product is sold for the stated application or applications. The product is not sold as suitable for any other application. Use of the product for applications other than as stated in this sheet may give rise to risks not mentioned in this sheet. You should not use the product other than for the stated application or applications without seeking advice from us.

If you have purchased the product for supply to a third party for use at work, it is your duty to take all necessary steps to secure that any person handling or using the product is provided with the information in this sheet.

If you are an employer, it is your duty to tell your employees and others who may be affected of any hazards described in this sheet and of any precautions which should be taken.

Codes of practise: Operational Provisions of the Road Traffic (Carriage of Dangerous Substances in packages etc) Regs 1986 (COP 17).
Classification & labelling of dangerous substances for conveyance by road in tankers, tank containers & packages (COP 19 Rev 1).
Classification & labelling of substances dangerous for supply (COP 22).
Packaging & labelling of dangerous substances for conveyance by road (COP 40 Rev 2)
Waste Management. The Duty of Care.

Guidance Notes Storage of packaged dangerous substances (CS 17 / HS (G) 71)
Ventilation of the workplace (EH22)
Occupational skin diseases: health & safety precautions (EH26)
Occupational exposure limits (EH40)
Storage of flammable liquids in containers (HS (G) 51)
Respiratory protective equipment – A practical guide for users (HS (G) 53)
Classification, Packaging & Labelling of dangerous Substances Regs 1984 (HS (R) 22)
Road Traffic (Carriage of Dangerous Substances in Packages etc) Regs 1986 (HS (R) 24)
Save your skin !– Occupational Contact Dermatitis (MS (B) 6)
Dermatitis – cautionary notice (SHW 367)

The above publications are available from HMSO and HSE Sources.