

**SAFETY DATA SHEET**  
**DI-LECTRIC**

SAFETY DATA SHEET Ref No. 10073

**1. PRODUCT AND COMPANY IDENTIFICATION**

<b>Trade Name</b>	<b>DI-LECTRIC</b>
<b>Manufacturer/Supplier</b>	Global Lubricants Limited
<b>Address</b>	7 Sandwell Business Development Centre, Oldbury Rd, Smethwick, West Midlands, B66 1NN, England
<b>Phone Number</b>	+44 (0) 121 544 3638
<b>Fax Number</b>	+44 (0) 121 544 3638
<b>Emergency Phone Number</b>	+44 (0) 410 754382

**2. COMPOSITION/INFORMATION ON THE COMPONENTS**

<b>Composition</b>	Highly refined mineral oil plus performance additives		
<b>Hazardous ingredients</b>	<b>Risk Phrases</b>	<b>%Mass</b>	<b>Cas No</b>
Distillates (petroleum)	R.65	>50	64742-80-9
Hydrosulphurised middle			

**3. HAZARD IDENTIFICATION**

<b>Main Hazards</b>	Harmful by inhalation and if swallowed Mist or vapours may cause irritation to the respiratory tract (see Section 11)
---------------------	--

**4. FIRST AID MEASURES**

<b>First Aid - Eyes</b>	Wash out eye with plenty of water whilst lifting the eye lids. Obtain medical attention if soreness or redness persists.
<b>First Aid - Skin</b>	Wash skin with mild detergent or soap. Promptly remove any clothing. Obtain medical attention if symptoms occur after washing.
<b>First Aid - Ingestion</b>	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. Be aware of aspiration if vomiting occurs.
<b>First Aid – Inhalation</b>	Remove from exposure. If unconscious place in recovery position.

**5. FIRE FIGHTING MEASURES**

<b>Extinguishing Media</b>	Use foam, dry powder, CO2, fine water spray
<b>Flammability</b>	None flammable
<b>Flash point</b>	120°C min
<b>Products of combustion</b>	Mainly oxides of carbon with small amounts of unidentified organic compounds.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	Spilt product presents a significant slip hazard
<b>Environmental Precautions</b>	Prevent entry into drains, sewers and water courses
<b>Decontamination Procedures</b>	Soak up with inert absorbent or contain and remove by best available means.

## 7. HANDLING AND STORAGE

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

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

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Occupational Exposure Limits</b>	<b>Substance</b>	<b>8 Hour TWA</b>	<b>STEL 10 mins</b>
	Distillates (petroleum) Hydrosulphurised Middle	5 ppm (oil mist)	15 ppm
<b>Source/other information</b>	EH40		
<b>Engineering control Measures</b>	Local exhaust ventilation is recommended Mechanical methods to minimise exposure must take precedence over personal protective measures.		
<b>Personal protection</b>	Safety glasses, impervious gloves (eg 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

<b>Physical State</b>	Liquid
<b>Appearance</b>	Clear fluid
<b>Colour</b>	Colourless
<b>Odour</b>	Characteristic
<b>Boiling Point (°C)</b>	260-320
<b>Flash Point (°C)</b>	120 min
<b>Solubility in Water</b>	Insoluble.
<b>Density (g/cm<sup>3</sup> @ 15°C)</b>	0.810 typical
<b>Auto-flammability (°C)</b>	Autoignition temperature above 230
<b>Explosive properties %</b>	0.8-7.0%
<b>Vapour pressure @ 20°C</b>	Not determined

## **10. STABILITY AND REACTIVITY**

<b>Stability</b>	Stable , will not polymerise.
<b>Conditions to Avoid</b>	Temperatures ( <sup>0</sup> C) above 30.
<b>Materials to Avoid</b>	Strong oxidising agents.
<b>Hazardous Products</b>	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 LD<sub>50</sub> rat>2g/kg. Estimated dermal LD<sub>50</sub> rabbit>2g/kg.

### **Health effects on:**

<b>Eyes</b>	Liquid is a mild eye irritant
<b>Skin</b>	Liquid is a mild skin irritant
<b>Inhalation</b>	Mist and vapours may cause irritation to nose and respiratory tract
<b>Ingestion</b>	may cause nausea, vomiting and diarrhoea. Aspiration of liquid during ingestion or vomiting may cause severe chemical pneumonitis.
<b>Chronic</b>	Repeated and prolonged skin contact may lead to skin disorders. Long term vapour inhalation can cause kidney damage.
<b>Other</b>	None known.

## **12. ECOLOGICAL INFORMATION**

<b>Mobility</b>	Volatile mobile liquid. Insoluble in water.
<b>Persistence/ Degradability</b>	Not readily biodegradable but is inherently biodegradable.
<b>Bio-accumulation</b>	Bioaccumulative, however with short retention period of the order Of one week or less.
<b>Ecotoxicity</b>	Practically non toxic to marine organisms.

## **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**

<b>UN/SI Number</b>	N/A	<b>Transport name</b>	N/A
<b>ADR</b>	N/A	<b>Hazchem code</b>	N/A
<b>IMO</b>	N/A	<b>Packaging group</b>	N/A
<b>IATA / ICAO</b>	N/A	<b>Item</b>	N/A
<b>Marine pollutant</b>	No		

## **15. REGULATORY INFORMATION**

<b>R phrases</b>	R65 Harmful: may cause lung damage if swallowed
<b>S phrases</b>	S23 Do not breathe vapour or spray S24/25 Avoid contact with skin and eyes S42 During spraying wear suitable respiratory equipment S43 In case of fire use foam/dry powder or CO <sub>2</sub> , never use water S62 If swallowed do not induce vomiting. Seek medical advice Immediately and show this container or label.
<b>Label for supply</b>	Harmful
<b>EC Directives</b>	Dangerous preparations Directive 88/379/EEC Safety Data sheets Directive 91/155/EEC Framework Waste Directive 91/156/EEC
<b>Statutory Instruments</b>	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 (IMDG 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 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 other 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 ect) 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 work place (EH 22)

Occupational skin disease: health & safety precautions (EH 26)

Occupational exposure limits (EH 40)

The carcinogenicity of mineral oils (EH 58)

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 (HS (R) 24)

Save you skin – Occupational Contact Dermatitis (MS(B) 6)

Dermatitis – cautionary notice (SHW 367)

The above publications are available from HMSO and HSE Sources.