

**SAFETY DATA SHEET**  
**GLOBAL 46HYDRAULIC OIL**  
**102091.00 GB Current 21.06.1997**

**SAFETY DATA SHEET Ref No. 10209**

**1. PRODUCT AND COMPANY IDENTIFICATION**

<b>Trade Name</b>	<b>GLOBAL 46 HYDRAULIC OIL</b>
<b>Manufacturer/Supplier</b>	Global Lubricants Ltd
<b>Address</b>	Unit 7, Sandwell Business Development Centre, Oldbury Road, Smethwick, B66 1NN, UK

<b>Phone Number</b>	+44 (0 )121 544 3638
<b>Fax Number</b>	+44 (0) 121 544 6505
<b>Emergency Phone Number</b>	+44 (0) 7710 754382

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

<b>Hazardous Components</b>	<b>This material has no known hazards under applicable law. See Section 8 for all substances with exposure limits.</b>
-----------------------------	--

**3. HAZARD IDENTIFICATION**

This material has no known hazards as defined by local laws.

**4. FIRST AID MEASURES**

<b>First Aid - Eyes</b>	Flush immediately with running water for at least 15 mins. Seek medical advice if irritation develops.
<b>First Aid - Skin</b>	Wash with soap and water. Remove contaminated clothing. Seek medical attention if irritation develops. Launder contaminated clothing before re-use and discard shoes and other leather articles saturated with the material.
<b>First Aid - Ingestion</b>	Do not induce vomiting. If conscious, give 2 glasses of water and get immediate attention.
<b>First Aid – Inhalation</b>	Remove patient to fresh air if adverse effects are observed.

## **5. FIRE FIGHTING MEASURES**

<b>Flash point:</b>	216°C
<b>Upper flammable limit</b>	Not determined
<b>Lower flammable limit</b>	Not determined
<b>Extinguishing media</b>	Dry chemical, foam, CO <sub>2</sub> , water can be used to cool and protect exposed material.
<b>Fire fighting procedures</b>	Recommend wearing self contained breathing apparatus. Water may cause splattering. Material will float on water. Use water to cool containers expose to fire.
<b>Unusual fire &amp; explosion hazards</b>	Toxic fumes, gases or vapours may evolve on burning.
<b>Auto ignition point</b>	Not determined.
<b>Explosion data</b>	Material does not have explosive properties.

## **6. ACCIDENTAL RELEASE MEASURES**

<b>Spill procedures</b>	Personal protective equipment must be worn, see personal protection section for PPE recommendations. Ventilate area if spilled in confined space or other poorly ventilated areas. Prevent entry into sewers and waterways. Pick up free liquid for recycle and/or disposal. Residual liquid can be absorbed on inert material.
-------------------------	---

## **7. HANDLING AND STORAGE**

<b>Handling</b>	Keep containers closed when not in use. Wash thoroughly after handling. Empty container contains product residue which may exhibit hazards of product.
<b>Storage:</b>	No special storage precautions required.

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

<b>Exposure limits</b>	None
<b>Ventilation procedures</b>	Use with adequate ventilation.
<b>Clothing measures</b>	Long sleeved shirt is recommended. When working with heated material wear heat protective clothing. Use chemically protective boots when necessary to avoid contaminating shoes. Do not wear rings, watches or similar apparel that could entrap the material and cause skin reaction.
<b>Respiratory</b>	Under normal use conditions, respirator is not usually required. Use NIOSH/MSHA approved disposable dust/mist mask if the recommended exposure limit is exceeded.
<b>Hand</b>	Neoprene. Polyvinyl alcohol. Note: Polyvinyl alcohol gloves are water soluble and should not be used when there is potential for water contact.
<b>Body</b>	Overalls.
<b>Eyes</b>	Safety glasses.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance</b>	Amber coloured liquid
<b>Specific gravity</b>	0.874 @ 15.6 <sup>0</sup> C
<b>Odour</b>	Mild
<b>Boiling Point</b>	Not determined
<b>Solubility in Water</b>	Insoluble
<b>Vapour pressure</b>	Not determined
<b>Viscosity @ 40<sup>0</sup>C</b>	49.7 / 33
<b>@ 100<sup>0</sup>C</b>	7.2
<b>Percent volatile</b>	Unknown
<b>pH</b>	Not determined
<b>Vapour density</b>	Not determined
<b>Evaporation rate</b>	Not determined
<b>Odour threshold</b>	Unknown
<b>Freezing point</b>	Not determined
<b>Molecular weight</b>	Not determined

## **10. STABILITY AND REACTIVITY**

<b>Stability</b>	Material is normally stable at moderately elevated temperatures and pressures.
<b>Incompatibility</b>	None known. Avoid contact with reactive chemicals.
<b>Polymerization</b>	Will not occur.
<b>Thermal decomposition Products</b>	Smoke, carbon monoxide, aldehydes and other products of incomplete combustion. Hydrogen sulphide and alkyl mercaptans and sulphides may also be released.

## **11. TOXICOLOGICAL INFORMATION**

<b>Dermal Toxicity</b>	The LD50 in rabbits is >2000mg/kg. Based on data from components or similar materials.
<b>Eye Irritation</b>	Unlikely to cause more than transient stinging or redness if accidental eye contact occurs.
<b>Skin Irritation:</b>	Not expected to be a primary skin irritant. Based on data from components or similar materials. Prolonged or repeated skin contact as from clothing wet with material may cause dermatitis. Symptoms may include redness, oedema, drying, defatting and cracking of skin.
<b>Inhalation Toxicity:</b>	No data available to indicate product or components may be a toxic inhalation hazard.
<b>Oral toxicity:</b>	The LD50 in rats is >5000mg/kg based on data from components or similar materials.
<b>Dermal sensitization:</b>	No data available to indicate product or components may be a skin sensitizer.
<b>Inhalation sensitisation:</b>	No data available to indicate product or components may be respiratory sensitizer.
<b>Chronic toxicity:</b>	No data available to indicate product or components present at greater than 1% are chronic health hazards.
<b>Carcinogenicity:</b>	No data available to indicate any components present at greater than 0.1% may be present a carcinogenic hazard.
<b>Reproductive toxicity:</b>	No data available to indicate either product or components present at greater than 0.1% that may cause reproductive toxicity.
<b>Mutagenicity:</b>	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
<b>Teratogenicity:</b>	No data available to indicate product or any components contained at greater than 0.1% that may cause birth defects.
<b>Respiratory irritation:</b>	If material is misted or if vapours are generated from heating, exposure may cause irritation of mucous membranes and the upper respiratory tract. Based on data from components and similar materials.
<b>Other:</b>	No other health hazards known. Contains mineral oil. Under conditions which may generate mists, observe the U.S.OSHA PEL of 5mg per cubic metre, ACGIH STEL of 10mg per cubic metre.

## **12. ECOLOGICAL INFORMATION**

<b>Freshwater fish toxicity</b>	An environmental effects test program for freshwater fish is in progress.
<b>Freshwater invertebrates toxicity</b>	An environmental effects test program for freshwater invertebrates is in progress.
<b>Algae toxicity</b>	Environmental effects data for algae is not available on all materials.
<b>Saltwater fish toxicity</b>	Environmental effects data for saltwater fish is not available on all materials.
<b>Saltwater invertebrates Toxicity</b>	Environmental effects data for saltwater invertebrates is not available on all materials.
<b>Bacteria toxicity</b>	Environmental effects test program for bacteria is in process.
<b>Miscellaneous toxicity</b>	Environmental effects test data for flora and fauna is not available on all materials.
<b>Environmental fate</b>	An environmental effects test program for biodegradation is in progress.
<b>WGK</b>	An environmental effects test program is in progress. For materials of this type, the most severe preliminary WGK value is 2, based on Baccara experience.

## **13. DISPOSAL**

<b>Waste disposal</b>	Material if discarded not expected to be a characteristic hazardous waste. Disposal should be in compliance with national and local regulations.
-----------------------	--

## **14. TRANSPORT INFORMATION**

UN No:	N/A
IMDG	N/A
ICAO	N/A
ADR/RID	N/A

## **15. REGULATORY INFORMATION**

<b>Symbol</b>	N/A
<b>Indication of danger</b>	N/A
<b>Precautionary labels</b>	This material has no known hazards as defined by local law.
<b>EU</b>	All components are in compliance with EC Seventh Amendment Directive 92/32/EEC

## **16. OTHER INFORMATION**

OSHA/WHMIS Substance	N/A
US NFPA Codes	Health 1 Fire 1 Reactivity 0
HMIS Codes	Health 1 Fire 1 Reactivity 0