

SAFETY DATA SHEET **GLOBAL EP 80/90 GEAR OIL**

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1. PRODUCT AND COMPANY IDENTIFICATION

Trade Name GLOBAL EP 80/90 GEAR OIL GL5
Manufacturer/Supplier Global Lubricants Ltd
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2. COMPOSITION/INFORMATION ON THE COMPONENTS

Hazardous Components No components are present at sufficient concentration to require a hazardous classification for health in accordance with EC legislation.

3. HAZARD IDENTIFICATION

This product is not classified as hazardous under current UK Health & Safety and Environmental Legislation when used in the application for which it is intended. However, prolonged or extensive skin contact with the product may result in skin disorders. The risk of skin disorders may be increased if the product has become contaminated.

4. FIRST AID MEASURES

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

First Aid - Skin 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.

First Aid - Ingestion Do not induce vomiting. If conscious, give 2 glasses of water and get immediate attention.

First Aid – Inhalation Remove patient to fresh air if adverse effects are observed.

5. FIRE FIGHTING MEASURES

Flash point:	230 ⁰ C
Upper flammable limit	Not determined
Lower flammable limit	Not determined
Extinguishing media	Dry chemical, CO ₂ , water can be used to cool and protect exposed material.
Fire fighting procedures	recommend wearing self contained breathing apparatus. Water may cause splattering. Material will float on water. Use water to cool containers expose to fire.
Unusual fire & explosion hazards	Toxic fumes, gases or vapours may evolve on burning.
Auto ignition point	Not determined.
Explosion data	Material does not have explosive properties.

6. ACCIDENTAL RELEASE MEASURES

Spill procedures	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.
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7. HANDLING AND STORAGE

Handling	Avoid contact with eyes. If splashing is likely to occur wear a full face visor or chemical goggles as appropriate. Avoid frequent or prolonged skin contact with fresh or used product. Good working practises, high standards of personal hygiene and plant cleanliness must be maintained at all times. Wash hands thoroughly after contact. Barrier creams are not a suitable substitute for good hygiene practises and do not necessarily prevent absorption of product through skin. Always consult the manufacturers advice/instructions before use. After washing the application a suitable conditioning cream may help to prevent cracking, fissuring or dryness of the skin. Use disposable cloths and discard when soiled. Do not put soiled clothes into pockets.
Fire prevention	Product soaked rags, paper or material used to absorb spillages represent a fire hazard and should not be allowed to accumulate. Dispose of safely immediately after use.
Storage:	Store under cover away from heat and sources of ignition.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits	None
Ventilation procedures	Use with adequate ventilation.
Clothing measures	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.
Respiratory	Under normal use conditions, respirator is not usually required. Use NIOSH/MSHA approved disposable dust/mist mask if the recommended exposure limit is exceeded.
Hand	Neoprene. Polyvinyl alcohol. Note: Polyvinyl alcohol gloves are water soluble and should not be used when there is potential for water contact.
Body	Overalls.
Eyes	Safety glasses.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Dark
Specific gravity	0.885
Odour	Unknown
Boiling Point	Not determined
Solubility in Water	Insoluble
Vapour pressure	Not determined
Viscosity @ 40⁰C	160
 @ 100⁰C	15.5
 lower	Not determined
Percent volatile	Unknown
pH	Not determined
Vapour density	Not determined
Evaporation rate	Not determined

10. STABILITY AND REACTIVITY

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

11. TOXICOLOGICAL INFORMATION

Dermal Toxicity	The LD50 in rabbits is >2000mg/kg. Based on data from components or similar materials.
Eye Irritation	Unlikely to cause more than transient stinging or redness if accidental eye contact occurs.
Skin Irritation:	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.
Inhalation Toxicity:	No data available to indicate product or components may be a toxic inhalation hazard.
Oral toxicity:	The LD50 in rats is >5000mg/kg based on data from components or similar materials.
Dermal sensitization:	No data available to indicate product or components may be a skin sensitizer.
Inhalation sensitisation:	No data available to indicate product or components may be respiratory sensitizer.
Chronic toxicity:	No data available to indicate product or components present at greater than 1% are chronic health hazards.
Carcinogenicity:	No data available to indicate any components present at greater than 0.1% may be present a carcinogenic hazard.
Reproductive toxicity:	NO data available to indicate either product or components present at greater than 0.1% that may cause reproductive toxicity.
Teratogenicity:	No data available to indicate product or any components contained at greater than 0.1% that may cause birth defects.
Other:	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

Water	The individual components range from readily to poorly biodegradable. Mineral oil itself has limited biodegradability when tested by method CEC-L-33-T-82. If released to water the product may deplete the oxygen supply to bottom dwelling organisms.
Soil	Small quantities will be absorbed in the upper soil layers where biodegradation may take place. Large quantities may penetrate into anaerobic soil layers in which some of the organic compounds (eg mineral oil) may persist. Some components will be capable of penetrating the soil to cause ground water contamination.
Aquatic toxicity	May be harmful to aquatic organisms. Spills may form a film on water surfaces causing physical damage to organisms. Oxygen transfer could also be impaired.

13. DISPOSAL

All means of disposal should comply with local regulations and the Environmental protection Act 1990. Where possible, arrange for product to be recycled. Dispose of via an authorised person/licensed waste disposal contractor in accordance with local regulations.

Incinerations may be carried out under controlled conditions provided that local regulations are met. Dispose of product and container carefully. Do not dispose of near ponds, ditches, down drains or onto soil.

14. TRANSPORT INFORMATION

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

15. REGULATORY INFORMATION

Hazard label	This product is not classed as dangerous for supply in the UK.
EC Directives	Framework Waste Directive, 91/156/EEC, Waste Oil Directive 87/101/EEC
Statutory Instruments	The Health & Safety at Work Act 1990, Control of Substances Hazardous to Health Regulations 1988, Chemicals Hazard Information & Packaging Regulations 1993.

16. OTHER INFORMATION

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