

**GLOBAL LUBRICANTS LTD**  
**SAFETY DATA SHEET**  
**ARVINA GL 150 to 460-GEAR OILS**

**1. IDENTIFICATION OF THE PREPARATION AND THE COMPANY**

\* PRODUCT NAME: ARVINA GL 150 to 460  
Application: High temperature gear oil lubricant  
\* ADDRESS: Global Lubricants Limited  
13 Sandwell Business Development Centre, Oldbury Rd, Smethwick, West Midlands B66 1NN  
\* EMERGENCY TELEPHONES: + 44 (0) 121 544 3638  
\* FAX: + 44 (0) 121 544 6505

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

\* Composition: Synthetic Lubricant  
\* Hazardous Ingredient(s): This product contains ingredients classified as hazardous. However they are not present in sufficient quantities to warrant classifying the product as hazardous.

**3. HAZARDS IDENTIFICATION**

Treat as Mineral Oil

**4. FIRST AID MEASURES**

\* SKIN CONTACT: Wash thoroughly with soap and water. Contaminated clothing should be washed or dry-cleaned before re-use.  
\* EYE CONTACT: Irrigate well with copious amounts of water, for at least 10 minutes, holding the eye open, not a primary irritant but minor irritation may occur. Obtain medical attention  
\* INHALATION: Remove from exposure  
\* INGESTION: Do not induce vomiting. Seek medical advice. Wash out mouth with water.

**5. FIRE FIGHTING MEASURES**

\* EXTINGUISHING MEDIA: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.  
\* SPECIAL FIRE FIGHTING PROCEDURES: This product may give rise to hazardous fumes in a fire. Wear self-contained breathing apparatus.  
\* FLASHPOINT(°CPMCC): >250°C

**6. ACCIDENTAL RELEASE MEASURES**

Personal Precautions: Wear appropriate protective clothing. Spilt product presents a significant slip hazard  
Environmental Precautions: Prevent entry into drains, sewers and watercourses. Advise authorities if spillage has entered watercourse or sewer or has contaminated soil or vegetation.  
Decontamination Procedures: Soak up with inert absorbent or contain and remove by best available means.

**7. HANDLING AND STORAGE**

Handling:

To avoid the possibility of skin disorders, repeated or prolonged contact with products of this type must be avoided. Keep container tightly closed when not in use. Use in a well ventilated area. Avoid breathing mist or vapour from heated material. Exposure to mist and vapour from heated product should be minimised by the provision of efficient local ventilation or extraction systems. Avoid contact with eyes skin and clothing. Emergency shower and eye wash facilities should be readily available.

\* STORAGE PRECAUTIONS: Suitable storage materials are: rust-free mild steel, stainless steel, high-density polyethylene.

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### 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

\* INGREDIENT NAME: CAS N°      STD      LT EXP      ST EXP  
Alkylated Diphenylamines      None assigned

\* PROTECTIVE EQUIPMENT:

\* ENGINEERING CONTROL MEASURES:

Engineering methods to prevent or control exposure are preferred. Methods include process or personnel enclosure, mechanical ventilation (dilation and local exhaust), and control or process conditions.

\* VENTILATION:                      Use in well ventilated areas

\* RESPIRATORS:                      Respiratory protection if there is risk of breathing mists or vapours from heated material.

\* PROTECTIVE GLOVES:              PVC or rubber gloves.

\* EYE PROTECTION:                  Wear eye protection

\* SKIN:                                      Wear rubber apron, if there is risk of splashing.

\* INDUSTRIAL HYGIENE:              Wash after use

### 9. CHEMICAL AND PHYSICAL PROPERTIES

APPEARANCE: Amber liquid

ODOUR;                      Mild

SPECIFIC GRAVITY @ 20°C:      1.0

pH:

SOLUBILITY: Insoluble

FLASH POINT (PMCC/OPEN CUP)°C:      > 260°C

AUTO IGNITION @                      Above 250°C

AUTO FLAMMABILITY (DEG C):              > 400°C

VAPOUR PRESSURE @ 20°C      Negligible vapour pressure  
at ambient conditions:

VAPOUR DENSITY (AIR =1):      1000 at 20°C (typical)

BOILING POINT (°C):      Decomposes before boiling

POUR MELTING POINT(°C):      Below <-25°C

KINEMATIC VISCOSITY @ 40°C(mm<sup>2</sup>S-1): 150

VISCOSITY (cSt):                      150 AT 40°C (typical)

### 10. STABILITY AND REACTIVITY

\* MATERIAL TO AVOID:                  Strong oxidising agents and strong mineral acids.

\* CONDITIONS TO AVOID:              Stable under normal conditions.

\* HAZARDOUS DECOMPOSITION PRODUCTS:

Combustion will generate: oxides of carbon, small amounts of aldehydes, ketones and alcohol's.

### 11 TOXICOLOGICAL INFORMATION

\* HEALTH WARNINGS:

\* Acute Toxicity:                      Low order of acute toxicity. Oral LD50 (rat) greater than 5000mg/kg. (data on main component(s)). Dermal LD50 (rabbit) greater than 100000mg/kg. (Data on main component(s)).

\* Skin contact:                          Data available for a related material suggests that this product is unlikely to be irritating to the skin. Studies have not revealed any evidence of skin sensitisation effect. Magnusson and Kligman.

\* Eye Contact:                          Data for closely related material suggest that this product may cause irritant of the eye.

## 12. ECOLOGICAL INFORMATION

- \* **DEGRADABILITY:** Not readily biodegradable BOD20 = <5% of Thod
- \* **ACUTE FISH TOXICITY:** None hazardous to aquatic species. Tests on the following species gave a 96h LC50 of > 100mg/litre: rainbow trout. (based on major component).
- \* **WATER HAZARD CLASSIFICATION:**
- \* **MOBILITY:** The product is involatile and insoluble and will accumulate in the ground.

## 13. DISPOSAL CONSIDERATIONS

- \* **DISPOSAL METHODS:** Use authorised contractor. Incineration is the recommended method of disposal. Labels should not be removed from containers until they have been cleaned. Contaminated containers must not be treated as household waste. Containers should be cleaned by appropriate methods and then re-used or disposed of by landfill or incineration as appropriate.

## 14. TRANSPORT INFORMATION

Road	Not classified	Air	Sea
UN No		UN No:	UN No:
CEFIC TEC ® No:			IMDG
CCCN No			
PACKAGING GROUP			
SHIPPING NAME			
IMO Class			
ADR/RID			
ICAO/IATA			

## 15. REGULATORY INFORMATION

- \* **LABEL FOR SUPPLY:**
- \* **EINECS LISTING:** All components are either EINECS listed or classified as polymers.
- MITI Number All components listed.
- TSCA Listing All components listed.
- AICS Listing All components listed.
- DSL/NDDSL (Canadian Listing) DSL Listed
- WGK Classification 2 (Voluntary classification).
- \* **RISK PHRASES:** None required
- \* **SAFETY PHRASES:** None required
- \* **UK REGULATORY REFERENCES:**

## 16. OTHER INFORMATION

- \* **INGREDIENTS TO BE DECLARED:** None

### NOT CLASSED AS HAZARDOUS FOR NORMAL TRANSPORT IN THE UK

The following documentation is published by the UK Health and Safety Executive and is available from H.M. Stationary offices:

EH 40 - Occupational exposure limits

EH 58 - The carcinogenicity of mineral oils

SHW 367 - Dermatitis cautionary notice

SHW 397 - Effects of mineral oil on the skin

ALL INFORMATION CONTAINED IN THIS DATA SHEET IS IN ACCORDANCE WITH CHEMICALS HAZARD INFORMATION AND PACKING REGULATIONS.

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