



## MATERIAL SAFETY DATA SHEET

**PRODUCT NAME:** SYNTEGRA 80W140 GL5 GF

Not classified as hazardous according to the criteria of NOHSC.

**SUPPLIER:** PROLUBE

**ISSUE DATE:** 4<sup>th</sup> November, 2005

### **IDENTIFICATION**

**USE:** GEAR OIL

UN No.: Not assigned  
Main Class: Not assigned  
Subsidiary Risk: Not assigned  
Poison Schedules: Not allocated  
HazChem Code: Not assigned  
CAS No.: Not relevant

### **PRODUCT PROPERTIES:**

Appearance and Odour: Translucent red oil liquid,  
Mild oil odour.

Chemical Reactivity: Stable,  
Reacts with oxidising agents.

Solubility in Water: <0.1 g/l

PROPERTY	VALUE	UOM	TEMPERATURE
Specific gravity	0.88		15
Melting point	Not available		
Vapour pressure	Expect <0.0005	kPa	20
IBP	Expected >280	°C	
FBP	Not available		
Evaporation rate	Not available		
Vapour density (air = 1)	>1		20

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**PRODUCT NAME: SYNTEGRA 80W140 GL5 GF****IDENTIFICATION****PRODUCT PROPERTIES:** (continued)

FIRE / EXPLOSION HAZARD	
Flash point	150°C
Auto ignition	Not available
% Volatiles	Not available
LEL	Not available
UEL	Not available

**PRODUCT INGREDIENTS:**

INGREDIENT	CAS No.	PROPORTION
Polyalphaolefins	68037-01-4	>60%
Hydrocarbon polymer	9010-47-5	10-30%
Proprietary EP/AW/DI Additive	On US TSCA Listing	>10%
Dye/antifoam	On US TSCA Listing	<10%

**HEALTH ASPECTS****ACUTE:**

CONDITION	HEALTH EFFECTS	FIRST AID
<b>SWALLOWED</b>	Ingestion or subsequent vomiting may result in its aspiration which could cause pneumonitis (lung injury).	If swallowed and the person is conscious give water or milk. <b>DO NOT INDUCE VOMITING.</b> Seek medical advice immediately.
<b>EYE CONTACT</b>	May cause moderate eye irritation.	Flood eyes with plenty of water for 20 minutes.. If irritation occurs, seek medical advice.
<b>SKIN CONTACT</b>	Prolonged or repeated contact may cause skin irritation or sensation based on data for components.	Remove contaminated clothing and wash skin thoroughly with soap and water. Do not use solvents.
<b>INHALED</b>	Vapour or mist at concentrations exceeding ACGIH TLV may be irritating to the respiratory tract.	Remove affected person from contaminated area and seek medical advice.. If irritation continues seek urgent medical advice.

**CHRONIC:**

None expected apart from potential for skin and eye irritation upon prolonged or repeated contact.

**FIRST AID FACILITIES:**

No special facilities required.

**ADVICE TO DOCTOR:**

Refer to first aid above. Practically non toxic. Not carcinogenic.

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**PRODUCT NAME: SYNTEGRA 80W140 GL5 GF****PRECAUTIONS FOR USE****EXPOSURE STANDARDS:**

The ACGIH TLV for mineral oil mists is  $5\text{mg}/\text{m}^3$  for a daily 8 hour exposure.

**ENGINEERING CONTROLS:**

None required.

**PERSONAL PROTECTION:**

Respirator Type: None required.

Gloves: Use of protective gloves is good industrial practice (neoprene or nitrile type).  
Gloves should prevent contact between skin and product.

Eye protection: As a precaution use chemical safety goggles. If handled hot a full face shield should be worn.

Clothing: Clothing should be suitable to avoid product contacting the skin on a prolonged or repeated basis.

For detailed advice on Personal Protective Equipment refer to the following Australian Standards:

1. HB9 (Handbook 9) Manual of industrial personal protection.
2. AS 1337 Eye protectors for industrial applications.
3. AS 1715 Selection, use and maintenance of respiratory protective devices.
4. AS 1716 Respiratory protective devices.

**CONTAMINATION:**

If contamination occurs, change clothing and discard internally contaminated gloves and footwear. Launder contaminated clothing before reuse. Maintain good personal hygiene. Eye wash fountains and safety showers should be available for emergency use.

**FLAMMABILITY:**

Product is combustible. Refer to

AS 1940 Storage and handling of flammables and combustible liquids, and

AS 2865 Safe working in a confined space.

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**PRODUCT NAME: SYNTEGRA 80W140 GL5 GF****SAFE HANDLING INFORMATION****STORAGE AND TRANSPORT:**

Store in steel or HDPE plastic drums. Store in a well-ventilated place away from ignition sources, heat sources, oxidising agents (Class 5.1), foodstuffs and clothing. Keep containers closed when not in use.

**SPILLS AND DISPOSAL:**

Minimising and clean up of spills/leaks:

Use absorbents such as cat litter, clays and rag to clean up spills. Note: may be slippery.

Precautions for clean up crew: None apart from precautions noted above.

Special equipment required: None.

Disposal containers: Use approved disposal containers, steel drums preferred.

Disposal method: Treat as oil, liquid waste.

State/Territory authority: Dispose according to local regulations.

Incineration/Landfill considerations: Treat as oil, liquid waste.

**FIRE / EXPLOSION HAZARD:**

Unusual Fire/Explosion Hazards: None expected. Auto-ignition temperature is in excess of 450°C.

List of Dangerous Decomposition Products:

Incomplete combustion and high temperature thermal decomposition may promote oxides of carbon, nitrogen, sulphur and phosphorous.

Types of extinguisher/Agents: Treat as a Class B fire. Use dry chemical, foam or carbon dioxide to extinguish.

Precautions: None.

**OTHER INFORMATION**

Long-term animal experiments have shown that any health risks are associated with the level of aromatic and polycyclic constituents in the product. These constituents are removed during the manufacturing process to a level at which no health risks are expected as a result of normal handling.

**TOXICOLOGICAL INFORMATION:**

Low order of toxicity.

**ENVIRONMENTAL INFORMATION:**

Biodegradability: No data available. This oil would be expected to be slow to biodegrade due to mineral oil content.

Persistence in Soil/Water: Slow biodegradability. Product is not soluble in water. Density is less than water.

**PRODUCT NAME:** SYNTEGRA 80W140 GL5 GF**OTHER INFORMATION** (Continued)**USED OILS:**

As supplied, this product does not show any carcinogenic effects. However, during use, the oil may acquire impurities which present risks to health that did not exist in the unused oil. Since the nature and level of impurities varies according to conditions of use it is most sensible to assume that all used oil may cause skin cancer and to minimise contact with all used oils as far as possible. Used oil should not be allowed to contaminate soil or water. Follow prevailing regulations for recycling or disposal of used oils.

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