

Material Safety Data Sheet Synthetic Gear Oil 80w140

Product Name Syn Gear Oil 80w140

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Supplier Name ONSHORE OILS PTY LTD
Address: 38A AQUARIUM AVENUE, HEMMANT, 4174 QUEENSLAND
TEL: 07 33488388
Use(s) Lubricant for automotive differentials, manual transmissions and final drives specifying this grade of oil.
SDS Date 23 September 2014

2. IDENTIFICATION

Product Name: SYNTHETIC GEAR OIL 80W140 GL 5
Shipping Name: None allocated.
Hazchem Code: None allocated.
Poisons Schedule: None allocated.
Product Use: Lubricant for automotive differentials, manual transmissions and final drives specifying this grade of oil.

3. PHYSICAL DATA

Appearance: Clear and bright, dark oily liquid.
Boiling Point: Not available.
Vapour Pressure: 6 mm Hg (@ 25° C)
Specific Gravity: 0.91 at 15° C (Typical)
Flash Point: >205° C (COC)
Flammability: Not available
Explosive Data: Not available
Solubility in water: Insoluble

4. OTHER PROPERTIES

Volatile Component: Negligible volatility.
Auto ignition temp: > 360° C.
Vapour temp density: N/A
Odour: Pungent odour.
Viscosity @ 100°C: 27 cSt (Typical)
Stability: Stable under normal conditions of storage or handling.
Materials to Avoid: Oxidising agents.
Pour Point: -40° C

5. INGREDIENTS

Ingredients Name	CAS	Proportion
Highly refined synthetic base oils;	64742-54-7	> 85 %
Additives which may include detergents, pour point depressant, anti-foam agent, or rust and oxidisation inhibitor.	Mixture	< 15 %

6. HEALTH HAZARD INFORMATION

HEALTH EFFECTS

Acute-Swallowed: Harmful if swallowed. Can cause irritation of the gastrointestinal tract with nausea, vomiting and diarrhoea.

Acute- Eye: Eye contact may cause slight irritation.

Acute- Skin: Repeated or prolonged contact may dry and defat the skin, resulting in skin irritation and possible dermatitis.

Acute- Inhaled: Inhalation of the vapours at elevated temperatures may cause irritation to the respiratory tract.

Chronic: Prolonged or repeated contact may result in skin irritation leading to dermatitis.

Toxicology: This product contains petroleum base oils, which may be refined by various processes including severe solvent extraction, hydro cracking and hydro treating. These oils have not been listed in the U.S. National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as carcinogenic or probably carcinogenic to humans.

7. FIRST AID MEASURES

Inhalation: Move the victim to fresh air. Ensure airways are clear.

If breathing is difficult or irritation develops and persists seek medical attention.

Ingestion: DO NOT induce vomiting. Immediately wash out mouth with water, and then give water to drink. Do not give anything by mouth to unconscious person. SEEK IMMEDIATE MEDICAL ATTENTION.

Skin: Remove all contaminated clothing. Wash gently and thoroughly with water and non-abrasive soap. Ensure contaminated clothing is washed before reuse or discard.

Eye: If contact with the eye(s) occur, wash with copious amounts of water for approximately 15 minutes holding the eyelid(s) open. Take care not to rinse contaminated water into the non-affected eye. If irritation persists seek medical attention.

Advice to Doctor: Treat Symptomatically.

8. OTHER HEALTH HAZARD INFORMATION

PRECAUTIONS FOR USE

Exposure Limits: No NOHSC exposure standards have been established for this product, however for the constituent;

ORAL (LD50) >5000mg/kg

DERMAL (LD50) >2000mg/kg

Eng. Controls: In the operation of certain equipment or at elevated temperatures, mists or vapour may be generated and exhaust ventilation should be provided to maintain airborne concentration levels below the exposure standard or where no exposure standard is allocated, as low as is reasonably practicable.

PERSONAL PROTECTION

Respirator Type Type (AS 1716) Where vapours, mists or spray is generated and exposure standards are exceeded, select and use respirators in accordance with AS/NZS 1715/1716. The use of an approved respirator with organic vapour and dust / mist filters. Filter capacity and respiratory type depends on exposure levels for each individual circumstance.

Eye Protection: Safety glasses or face shield as appropriate. Reference should be made to the Australian standard AS/NZS – Eye Protectors for Industrial Applications.

Glove Type: Any routine contact with this material should require the use of protective clothing such as gloves or apron made of neoprene, nitrile, or n-butyl rubber suitable for the application.

FLAMMABILITY

Fire Hazard: Classified as a class C2 (COMBUSTABLE LIQUID) for the purpose of storage and handling, in accordance with the requirements of AS1940. This product should be stored and used in a well-ventilated area away from naked flames, sparks and other sources of ignition. Toxic fumes gases or vapours may evolve on burning.

SAFE HANDLING INFORMATION

STORAGE AND TRANSPORT

Storage Precautions: Store in a cool dry, well-ventilated area away from sources of ignition. This product should be stored away from foodstuffs and strong oxidising agents. Minimum feasible handling temperatures should be maintained. Periods of exposure to high temperatures should be minimised. Water contamination should be avoided. For information on the design of storeroom reference should be made to Australian Standard AS1940.

Classified as a C2 (COMBUSTIBLE LIQUID) for the purpose of storage and handling, in accordance with the requirements of AS1940.

Reference should be made to the *Australian Standard AS1940- the storage and handling of flammable and combustible goods.*

Transport: Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

Handling: Repeated or prolonged contact with this material should be avoided in order to lessen the possibility of skin disorders. It is essential that all that come into contact with this material maintain high standards of personal hygiene i.e. washing hands Prior to eating, drinking or going to the toilet. Build up of mists in the working place must be prevented.

Misuse of empty containers can be hazardous. Do not cut, weld or drill containers. Residue may ignite with explosive violence if heated sufficiently. Do not pressurise or expose open flame or heat. Keep container closed and bung in place.

SPILLS AND DISPOSAL

Spills and Leaks: Remove all sources of ignition. Increase ventilation. Evacuate all unnecessary personnel. Wear full protective equipment and clothing to minimise exposure. If possible contain the spill. Place inert absorbent material such as vermiculite, sand or dirt onto spillage. Use clean non-sparking tools to collect the material and place into a suitable labelled container. Do not dilute material but contain prevent contamination of drains and waterways. If large quantities of this material enter the waterways contact the Environmental Protection Authority, or your local Waste Management Authority.

Disposal: This material may present environmental risk common to all oil spills. Dispose of according to federal, E.P.A., State and local regulations. Assure conformity with all applicable regulations.

FIRE / EXPLOSION HAZARD

Fire/ Explos. Haz.: Combustible liquid. This product will burn if exposed to fire.

Combustible Products: Include oxides of carbon

Extinguishing Media: Water fog, foam, CO₂ or dry chemical powder.

Hazchem Code: None allocated.

References: REGULATIONS SPECIFICALLY APPLICABLE TO CHEMICAL PRODUCT: COMMONWEALTH OF AUSTRALIA: Respirators must follow AS1715/1716, standard for approved respirators.

NEW ZEALAND NZS 1715 / 1716.

AUSTRALIAN POISONS SCHEDULE: Not applicable.

NZ DANGEROUS GOODS CLASS: Not applicable.

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OTHER INFORMATION

EMERGENCY CONTACTS

24 Hour Emergency Contact: (National Emergency Response) 1 800 638 556.

Onshore Oils Pty Ltd

after hours contact: 07 3348 8388

End of MSDS