# MATERIAL SAFETY DATA SHEET

25w/50 Engine Oil

**Issue Date:** 13/02/2017
**Issued By: Aegis Oil NZ Ltd**

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** 25w/50 Engine Oil
**PRODUCT CODE:** 255
**PRODUCT USE:** Automotive Engine Oil

**COMPANY:** Aegis Oil Ltd
**ADDRESS:** 495 Hauraki Road, Turua, NZ

**TELEPHONE:** 07 867 5321
**FAX:** 07 867 5004
**EMAIL:** admin@aegisoil.co.nz
**EMERGENCY PHONE:** 0800 655645
**HEALTH EMERGENCY:** 0800 764766 NZ POISONS CENTRE

## SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

**CONTAINS:**
Hydrcarbons and Additives

| INGREDIENT: | CAS NO. | % Proportion |
|---|---|---|
| Severely refine mineral oils | 64742-54-7 | 60 - 95 % |
| Zincalkldithiophosate | 68849-42-3 | >1 - 5% |

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

## SECTION 3: HAZARDS IDENTIFICATION

**CLASSIFICATION:**

Classified as NOT HAZARDOUS according to criteria of Worksafe Australia
Classified as Hazardous according to HSNO Act New Zealand 6.4A a eye Irritant

**HSNO Category:**

Lubricants (Low Hazard) Group Standard 2006
HSNO Approval Number: HSR002605

## SECTION 4: FIRST AID MEASURES

**EYES:** If contact occurs Flush thoroughly with water for 15minutes, holding eyelids open. If irritation develops and persists seek medical attention.

**SKIN:** Remove contaminated clothing and wash skin thoroughly with soap and water. If irritation develops and persists seek medical attention.

**INGESTION:** If swallowed, do not induce vomiting. Immediately wash your mouth with water, Seek medical attention

**INHALATION:** Remove the affected person from the contaminated area to fresh air. If breathing difficulties persist seek medical attention, If not breathing start CPR and seek urgent medical attention

## SECTION 5: FIRE-FIGHTING MEASURES

**EXTINGUISHING MEDIA:** Use Water Fog, Foam, Dry Chemical or Carbon Dioxide ($CO_2$) to extinguish flames

**PROTECTION OF FIRE FIGHTERS:**
**Specific Methods:** Water or Foam may cause frothing. Use water to coal fire-exposed containers. Water-spray may be used to flush spills away from exposures. Prevent runoff from fire-control or dilution from entering waterways, sewages or drinking water supply.
**Combustion Products:** Highly dependent on combustion conditions. A complex mixture of Airborne Solids. Liquids and Gases including Carbon Monoxide, Cardon Dioxide and unidentified Organic Compounds will be evolved when this material under goes combustion.
May emit poisonous fumes.

**Special Protective Equipment:** Self-contained breathing apparatus and protective clothing should be worn to minimize exposure

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**SPILL MANAGEMENT:** Eliminate all sources of ignition in the vicinity of the spilled material. Stop the leak if safe to do so.
Contain and absorb with suitable absorbent material. Collect material and place into a suitably sealed and labeled container – Dispose of in the manner consistent with applicable regulations. Observe precautions in Exposure Controls/Personal Protection. Avoid breathing vapours and contact to the skin and eyes
**NOTIFICATION PROCEDURES:** Report spills as required to appropriate authorities Local Environment, Health Officer, Area Water Authority and or Fire Brigade/Police

## SECTION 7: HANDLING AND STORAGE

**PRECAUTIONARY MEASURE:** Keep out of the reach of children
**GENERAL HANDLING:** Avoid contamination of the soil or releasing this material into sewage and drainage systems and bodies of water
**STOREAGE:** Do not store in open or unlabeled containers. Store in a well ventilated place away from ignition sources, Strong Oxidizing Agents, Food Stuffs and Clothing. Keep closed when not in use or empty

**OTHER PRECAUTIONS:** Misuse of empty containers can be hazardous. Do not cut, weld, heat or drill. Do not pressurize or expose to open flame or heat. Keep closed when not in use or empty. Dispose of in the correct manner

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Use in a well ventilated area
**VENTILATION:** Natural ventilation should be sufficient**,** however where vapours or mists are generated the use of a local exhaust system is recommended.
**RESPIRATORY PROTECTION:** No respiratory protection is normally required. Where ventilation is inadequate and vapours and/or mists are generated the use of an approved respirator with organic vapour/particulate filter complying AS/NZ1715 and AS/NZS 1716 is recommended.
**EYE PROTECTION:** Avoid contact with eyes. Normal industrial eye protection practices should be employed
**SKIN PROTECTION:** No special protective clothing is required. Wear Gloves of impervious material if handling material for prolonged periods and chemical resistant Apron where clothing is likely to be contaminated is recommended.
**WORK HYGIENIC PRACTICES:** Good Personal hygiene practices should be followed

**EXPOSURE GUIDELINES:**

| Component | Country.Agency | TWA | STEL | Ceiling | Notation |
|---|---|---|---|---|---|
| Oil Mist | New Zealand | 5mg/m3 | 10mg/m3- | - | - |

- Consult local authorities for the appropriate values

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**Attention: The data below are typical values and do not constitute a specification**

**COLOUR:** Amber
**ODOUR:** Mineral Oil Odour
**ODOUR THRESHOLD:** Not Establish
**PHYSICAL STATE:** Liquid
**BOILING POINT:** >220 ºC
**SOLUBILITY:** Insoluble
**SPECIFIC GRAVITY:** Typically 0.87250g/mL
**VAPOUR PRESSURE:** Expected to be <0.0005 kPa @ 20 ºC
**VAPOUR DENSITY:** >2.0
**KINEMATIC VISCOSITY:** Typically 15 cSt @ 100 ºC
**FREEZING POINT:** Not Establish
**FLASH POINT:** > 200 ºC
**FLAMMABILITY:** Not Establish

## SECTION 10: STABILITY AND REACTIVITY

**STABILITY:** Stable under normal conditions
**CONDITIONS TO AVOID (STABILITY):** Extreme Heat
**INCOMPATIBILITY (MATERIAL TO AVOID):** Strong Oxidizing agents
**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** Metal Oxides, Carbon Monoxide, Elemental Oxides
**HAZARDOUS POLYMERIZATION:** Will not occur

## SECTION 11: TOXICOLOGICAL INFORMATION

**TOXICOLOGICAL INFORMATION:** No toxicity data is available for this material. Data is available on the individual components show that no chronic health risks are expected during normal handling.
**EYE:** Not expected to cause prolonged or significant eye irritation. This material may emit ethylene diamine vapors which are irritating to the eyes. Symptoms may include pain, tearing, reddening, swelling and impaired vision.
**SKIN:** Prolonged contact may cause irritation of the Skin, which may result in redness and/or itchiness possibly leading to dermatitis
**INGESTION:** May cause irritation of Gastrointestinal system. Symptoms may include nausea, vomiting and diarrhoea
**INHALATION:** May cause irritation to the mucous membrane and upper airways when material is heated and used in poorly ventilated areas. Symptoms may include headaches, dizziness and nausea

## SECTION 12: ECOLOGICAL INFORMATION

**ECOLOGICAL INFORMATION:** No ecological data is available for this material
**ECOTOXICITY:** This material is not expected to be harmful to aquatic organisms. The product has not been tested. The statement has been derived from the properties of the individual components.
**MOBILITY:** No data available
**PERSISTENCE/DEGRADABILITY:** This material is Biodegradable
This product has not been tested. The statement has been derived from the properties of the individual components
**BIOACCUMULATION:** No data is available

## SECTION 13: DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL METHOD:** Recycle or dispose of in a manner consistent with applicable regulations. DO NOT pollute the soil, water or environment with the waste product.

## SECTION 14: TRANSPORT INFORMATION

The description shown may not apply to all shipping situations Consult the Dangerous Goods Regulations for additional description requirements and mode-specific or quantity-specific shipping requirements

**LAND TRANSPORT NEW ZEALND SHIPPING DESCRIPTION:** Not regulated as dangerous goods for transportation under the New Zealand Land Transport Rule.

## SECTION 15: REGULATORY INFORMATION

All individual components are registered on the New Zealand Inventory of Chemical Substances
Lubricants (Low Hazard) Group Standard 2006
HSNO Approval Number: HSR002605
HSNO Classification: 6.4 – Eye Irritation - Category A (Irritant)

## SECTION 16: OTHER INFORMATION

**CONTACT POINT:** In an Emergency. Disl 111 – Fire Or Police
**EMERGENCY PHONE:** 0800 655645
**HEALTH EMERGENCY:** 0800 764766
**PREPARATION INFORMATION: This a new Material Safety Data Sheet**
**REVISON DATE: March 2022**
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