

# MATERIAL SAFETY DATA SHEET

Page 1 Product Name: **Petrol Engine Oil**

Date Issued: 3 September 2003

## Identification

Use: **General Purpose Engine Oil**

Not Classified as hazardous according to criteria of Worksafe Australia

Company: **Coast and Valley Oil Distributors**  
**15 Apprentice Drive**  
**BERKELEY VALE NSW 2269**

UN No: **Not assigned**  
Main Class: **Not Assigned**  
Subsidiary Risk: **Not Assigned**  
Poisons Schedule: **Not Allocated**  
Hazchem Code: **Not Assigned**  
CAS No: **Not Assigned**

## PRODUCT PROPERTIES

Appearance and Odour :**Clear and bright oily liquid. Mineral Oil odour**  
Chemical Reactivity :**Stable. Reacts with oxidising agents**  
Solubility in Water :**Negligible**

<i>Property</i>	<i>Value</i>	<i>UOM</i>	<i>Temp</i>
Specific Gravity	<b>0.87</b>	-	<b>15</b>
Melting Point	<b>Not Available</b>		
Vapour Pressure	<b>Expect &lt;0.0005</b>	<b>kPa</b>	<b>20</b>
IBP	<b>Typically 280</b>	<b>deg C</b>	
FEP	<b>Not Available</b>		
Evaporation Rate	<b>Not Available</b>		
Vap Dens (Air=1)	<b>&gt;1</b>	-	

## Fire/Explosion Hazard

Flash Point	<b>Typically &gt;224</b>	<b>deg C</b>
Autoignition	<b>Typically &gt;320</b>	<b>deg C</b>
% Volitiles	<b>Not available</b>	
LEL	<b>Expected 1</b>	<b>%v/v</b>
DEL	<b>Typically 10</b>	<b>%v/v</b>

## PRODUCT INGREDIENTS

<i>Ingredient</i>	<i>Proportion</i>	<i>Method</i>	<i>CAS No</i>
Highly refined Mineral Oil	<b>High &gt;90.0 %</b>	<b>m/m</b>	
Complex mixture of additives	<b>Low &lt; 10.0 %</b>	<b>m/m</b>	

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## Health Hazards

### HEALTH EFFECTS

Acute

### SWALLOWED

Slightly toxic, may cause gastric irritation

### EYE

Product may cause slight to moderate irritation to the eyes

### SKIN

Mildly irritating to skin. Prolonged and repeated skin contact may cause dermatitis due to defatting effect

### INHALED

Inhalation of the vapours ( generated at elevated temperature) or mists can cause irritation to the nose and throat

## FIRST AID

### Swallowed

If swallowed, **do not** induce vomiting. seek medical advice.

### Eye

Flood eyes with plenty of water for 20 minutes, If irritation occurs seek medical advice.

### Skin

Remove contaminated clothing and wash skin thoroughly with soap and water.

### Inhaled

Remove contaminated person from the contaminated area and seek medical advice. If not breathing apply artificial respiration and seek **urgent** medical advice

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## **Advice to Doctor**

### **PRECAUTIONS FOR USE**

#### **Exposure Standards**

Worksafe Exposure Standard: time weighted average (TWA) 5mg/m<sup>3</sup> (oil mist) short term exposure limit (STEL) 10mg/m<sup>3</sup> (oil mist)

#### **Engineering Controls**

Special Ventilation is not normally required due to the low volatility of the product at normal temperatures. However, in the operation of certain equipment or at elevated temperatures, mists or vapours may occur and exhaust ventilation should be provided to maintain airborne concentration levels below the exposure standards or where no exposure standard is allocated, as low as is reasonably practicable.

#### **Personal Protection**

Avoid contact with the skin and eyes, and avoid breathing vapours or mists. When exposure is likely, personal protection in a combination appropriate to the degree and nature of exposure, should be selected from the following list:

- (1) Eye protection Safety Glasses with side shields. Contact lenses pose a special hazard, soft lenses may absorb irritants and all lenses concentrate them.
- (2) PVC Gloves
- (3) PVC Apron and sleeves or full PVC Covering, as a general rule full coveralls, barrier cream and an eye wash unit.
- (4) PVC or rubber boots

Where the concentration of vapour or mist is expected to approach the exposure limits, the following additional equipment is recommended:

- (1) Short elevated exposures, eg Spillage - goggles and correct respiratory protection should be worn.  
N.B If the vapour/mist concentrations exceed the exposure limit by more than ten times, air supplied apparatus should be used.
- (2) For prolonged elevated exposures - Full face air supplied or self contained breathing apparatus should be worn.
- (3) Where larger quantities are involved consult your site OH & S safety officer.

#### **Contamination**

If contamination occurs, change clothing and discard internally contaminated gloves and footwear. Launder contaminated clothing before reuse.

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Observe good personal Hygiene

Eye wash fountains and safety showers should be available for emergency use.

## **Personal Protection**

### References

For detailed advice on personal Protection equipment, refer to the following Australian Standards:

HB 9 (Handbook 9)      Manual of Industrial Personal Protection

AS 1337                  Eye protectors for Industrial applications

AS 1715                  Selection, use and Maintenance of respiratory protective devices

AS 1716                  Respiratory protective Devices

## **Flammability**

Combustible liquid will not burn unless preheated

Refer to AS 1940 - Storage and handling of flammable and combustible liquids and AS 2865 - safe working in a confined space, for more specific information on these subjects.

## **Extinguishing Media**

Foam

Dry Chemical Powder

Carbon Dioxide

Water spray of fog - large fires only

## **Fire Fighting**

Alert Fire Brigade and tell them location and nature of hazard

Wear breathing apparatus plus protective gloves

Prevent, by any means available, spillage from entering drains or water courses

Use water delivered as a fine spray to control fire and cool surrounding areas

Avoid spraying water onto Oil pools

Do not approach containers suspected of being hot

Cool fire exposed containers with water spray from a protected location

If safe to do so, remove containers from path of fire

## **Fire/Explosion Hazard**

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Combustible, Combustion products include oxides of carbon. Keep storage tanks, pipelines, fire exposed surfaces etc cool with water spray. Shut off any leak if safe to do so and remove sources of re-ignition. Use foam, CO<sub>2</sub> or Dry Powder to extinguish fire.

Combustible

Slight fire hazard when exposed to heat or flame

Heating may cause expansion or decomposition leading to violent rupture of containers.

On combustion may emit toxic fumes of carbon Monoxide (CO)

May emit acrid smoke

Mists containing combustible materials may be explosive

Other combustion products include carbon dioxide (CO<sub>2</sub>)

## **Fire Incompatibility**

Avoid contamination with strong oxidising agents as ignition may result

## **Hazchem**

None

## **SAFE HANDLING INFORMATION**

### **Storage and Transport**

Classified as a Class C2 combustible Liquid for storage and handling purposes. Store in a well ventilated place away from ignition sources, oxidizing agents, foodstuffs and clothing. Keep containers closed when not in use.

### **Spills and Disposal**

Extinguish or remove all sources of ignition and stop leaks if safe to do so. Contain the spill with sand or earth and take up with a Vacuum truck or absorb with absorbent material, sand or earth absorbent clay and store in a suitable sealed container and follow state or local authority regulations and guidelines for disposal of the waste. Clean area with detergent and water. Do not allow product to enter drains, sewers or water courses, inform the local authorities if this occurs.

## **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

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## CONTACT POINT

**Emergency response 02 43885911**

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