

COMPANY DETAILS	
Company:	Endeavour Tools Pty Ltd
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## MATERIAL SAFETY DATA SHEET

Statement of Hazardous Nature:

**NOT CLASSIFIED AS HAZARDOUS ACCORDING TO CRITERIA OF WORKSAFE AUSTRALIA**

IDENTIFICATION		
<b>Product Name:</b>	<b>E-OIL-250 / E-OIL-500 / E-OIL-1LTR</b>	
Other Names:	Loma 15	
UN Number:	Not Assigned	
Dangerous Goods Class:	Not Assigned	
Subsidiary Risk:	Not Assigned	
Packing Group:	Not Assigned	
Hazchem Code:	Not Assigned	
Poisons Schedule Number:	None Allocated	
Use:	Hydraulic Oil	
<b>Physical Description/Properties</b>		
Appearance:	Clear and bright oily liquid. Mineral oil odour.	
Initial Boiling Point:	Typically 280° C	
Vapour Pressure:	Expect < 0.0005 kPa @ 20°C	
Specific Gravity:	0.87 @ 15° C	
Flashpoint:	Typically > 224° C	
Flammability Limits:	LEL: Expected 1 % v/v UEL: Typically 10 % v/v	
Solubility in Water:	Negligible	
<b>Other Properties</b>		
Auto Ignition Temperature:	Typically > 320° C	
Vapour Density:	>1	
Percent Volatiles:	Not Available	
Chemical Reactivity:	Stable. Reacts with oxidising agents.	
<b>Ingredients</b>		
<b>Chemical Name</b>	<b>CAS</b>	<b>Proportion</b>
Highly refined mineral oil.	-	High > 93%
Complex mixture of additives.	-	Low < 7%

**HEALTH HAZARD INFORMATION****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 temperatures) 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 affected person from contaminated area and seek medical advice. If not breathing apply artificial respiration and seek urgent medical advice.  
 First Aid Facilities: Eye wash fountains and safety showers should be available for emergency use.

**PRECAUTIONS FOR USE**

Exposure Standards: Worksafe Exposure Standard :- time weighted average (TWA) 5 mg/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 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: Avoid contact with the skin and eyes, and avoid breathing vapours or mists. When exposure is likely, personal protective equipment in a combination appropriate to the degree and nature of exposure, should be selected from the following list:-

- (1) Eye protection
- (2) PVC gloves
- (3) PVC apron and sleeves, or full PVC covering
- (4) PVC or rubber boots

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

- (1) Short elevated exposures, eg spillage - goggles and correct respiratory protection should be worn. NB. If the vapour/mist concentrations exceed the exposure limit by more than 10 times, air supplied apparatus should be used.
- (2) For prolonged elevated exposures - Full-face air supplied

or self-contained breathing apparatus should be worn.

#### PRECAUTIONS FOR USE

**Personal Protection:** **CONTAMINATION**  
If contamination occurs, change clothing and discard internally contaminated gloves and footwear. Launder contaminated clothing before reuse.  
Observe good personal hygiene.

#### REFERENCES

For detailed advice on Personal Protective 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.

#### SAFE HANDLING INFORMATION

**Storage:** 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.

**Transport:** Classified as a class C2 combustible liquid for transport.

**Spills and Leaks:** Extinguish or remove all sources of ignition and stop leak 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. Place used absorbent in suitable sealed containers 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.

**Disposal:** Consult with state or local authority regulations and guidelines for disposal.

**Fire/Explosion Hazard:** 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, CO2 or powder to extinguish fire.

#### OTHER INFORMATION

**Toxicology:** 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.

**CONTACT POINT**

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This information has been prepared as a guide from technical and medical data available and to our knowledge is true and accurate. It is not claimed to be all-inclusive and may demand other additional considerations. Endeavour Tools accepts no responsibility. Any user or company who relies upon advice or information in this data sheet does so entirely at their own risk.