



## STATEMENT OF HAZARDOUS NATURE

Non Hazardous According to Criteria of Work safe Australia

### IDENTIFICATION

Product Name:	Liquid Intelligents 224
Chemical Name:	Lifter Free Engine Oil Additive.
Other Names:	Not Applicable
Manufacturer's Product Code:	224
UN Number:	None Assigned
Dangerous Goods Class	None Assigned
Subsidiary Risk[s]:	None Assigned
Hazchem Code:	None Assigned
EPG NO:	None Assigned
Poisons Schedule Number:	None Assigned
Toxic and Hazardous Ingredients:	None
Uses:	Automotive Industrial Gear Lubricant

### PHYSICAL DESCRIPTION AND PROPERTIES

Colour:	Amber
Appearance:	Amber & Tacky Oily Liquid
Form:	Liquid
Boiling Point:	No Data.
Melting Point:	Not Applicable
Vapour Pressure:	No Data.
Specific Gravity:	0.90.
Volatiles:	Not Applicable
Evaporation Rate:	Not Applicable
Vapour Density:	Not Applicable
Odour:	No Data
Solubility in Water:	Nil @ 20 °C

### FLASH POINT

Solvent:	Not Applicable
Lubricant residue:	:>250 °C
Flammability Limits:	Not Applicable
Auto ignition Temperature:	No Data

### OTHER PROPERTIES

Hazardous Polymerisation: Does not occur.

## MATERIAL SAFETY DATA SHEET

### INGREDIENTS

Chemical Name	CAS Number	Proportion
Calcium sulfonate	061789-86-4	>5%
Zinc dialkyldithiophosphate	999999-46-6	<10%
Diethenyl-, polymer with 2-methyl-1,3-butadiene, hydrogenated	127883-08-3	<10%
Paraffinic solvent-dewaxed	064742-65-0	<75%
Additives unregulated		<10%
Nonylphenol ethoxylate	9016-45-9	<10%

### HEALTH HAZARD INFORMATION

#### HEALTH EFFECTS:

##### Acute:

**Swallowed:** If swallowed and person is conscious give water or milk. Ingestion Or subsequent vomiting may result in its aspiration, which could cause pneumonitis.

**Skin:** Prolonged or frequent contact may cause irritation or skin cracking.

**Eyes:** May cause moderate eye irritation.

**Inhaled:** Vapour or mist at concentrations exceeding ACGIH TLV may be irritating to the respiratory tract.

##### Chronic:

**LC 50:** No Data

**LD 50:** No Data

#### FIRST AID:

**Swallowed:** Do not induce vomiting. Aspiration of the fluid may cause lung injury (pneumonitis). Call a Doctor immediately.

**Skin:** Wash thoroughly with soap and water.

**Eyes:** Flush with water for 15 minutes, at least with eyelids open.

**Inhaled:** If respiratory irritation occurs move person to fresh air. If irritation continues call a Doctor.

#### FIRST AID FACILITIES:

#### ADVICE TO DOCTOR:

Refer First Aid above.

## MATERIAL SAFETY DATA SHEET

### PRECAUTIONS FOR USE:

Exposure Standards:	The ACGIH TLV for mineral oil mists is 5mg/m <sup>3</sup> for a daily 8 hours exposure.
Engineering Controls:	No Applicable
Personal Protection:	Not generally required. Avoid prolonged or frequently repeated contact. Wash skin thoroughly with soap and water after contact. Preferred to use safety glasses and neoprene or nitrile rubber gloves for frequent contact.
Flammability:	No unusual fire and explosion hazards.

### SAFE HANDLING INFORMATION

Storage and Transport:	Store in steel or HDPE plastic drums. Store away from strong oxidising agents. Refer Dangerous Goods Class 5:1
Storage Temperature:	Store in a cool dry place.
UN Class:	None Assigned.
Packaging Group:	None Assigned.
UN Number:	None Assigned.
EPG Number:	None Assigned.
Correct Shipping Name:	E P Gear Lubricant.
Spills and Disposals:	Absorbents such as cat litter, clays and rags to cleanup spills. Dispose of absorbent in approved disposal containers.
Fire/Explosion Hazard:	Not a fire hazard. Auto ignition temperature is in chemical, foam or carbon dioxide to extinguish.
Decomposition Products:	High temperature thermal decomposition may promote formation Oxides of Carbon, Nitrogen, Sulphur and Phosphorus.
Hazchem Code:	Not Applicable
Extinguishant:	Use dry chemical, foam or carbon dioxide.

### DANGER OF VIOLENT REACTION OR EXPLOSION: No

Protective Clothing:	Applicable to degree of fire.
Appropriate Measures:	No Data
Evacuate:	Not Usually



**MATERIAL SAFETY DATA SHEET**

**OTHER INFORMATION:**

Lifter Free Engine Oil Additive is not expected to present environmental problems other than those associated with oil spills.

**CONTACT POINT:**

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**24 Hour Emergency Tel No.**      **Above Mobile Phones**  
**Emergency Services**              **Dial 000**

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