



STATEMENT OF HAZARDOUS NATURE

Non Hazardous According to Criteria of Work safe Australia

IDENTIFICATION

Product Name:	Liquid Intelligents 253.
Chemical Name:	Seal Expander and Conditioner.
Other Names:	None Assigned.
Manufacturer's Product Code:	253.
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:	Sulphur dioxide.
Uses:	Repairs and prevent rubber oil seal leakage in lubrication systems.

PHYSICAL DESCRIPTION AND PROPERTIES.

Colour:	Red.
Appearance:	Light red clear liquid.
Form:	Liquid.
Boiling Point:	>200°C.
Melting Point:	Not Applicable.
Vapour Pressure:	Not Determined.
Specific Gravity:	0.88 at 15.6°C
Volatiles:	Unknown.
Evaporation Rate:	Not Determined.
Vapour Density:	Not Determined.
Odour:	Sulphur Smell.
Solubility in Water:	Insoluble

FLASH POINT

Solvent:	Nil.
Lubricant residue:	230°C
Flammability Limits:	Unknown
Auto ignition	
Temperature:	No Data.

MATERIAL SAFETY DATA SHEET**INGREDIENTS**

Chemical Name	CAS Number	Proportion
Highly refined Mineral oils (Does not contain PCB's)	64742-65-0	83-87%
Sulphur dioxide	7446-09-5;	OSHA PEL 2 ppm (TWA), OSHA STEL 5 ppm; ACGIH TLV 2 ppm

HEALTH HAZARD INFORMATION**HEALTH EFFECTS:****Acute:**

Swallowed:	The LD50 in rats is >5000 mg/Kg. Based on actual data.
Skin:	May cause skin irritation. Based on actual data.
Eyes:	Not expected to cause eye irritation. Based on actual data.
Inhaled:	Short-term exposures to sulphur dioxide above 50-100 ppm can be dangerous and above 400-500 ppm, immediately life threatening.

Chronic:

LC 50:	No Data.
LD 50:	In rabbits is >20000 mg/Kg. Based on actual data.

FIRST AID:

Swallowed:	DO NOT INDUCE VOMITING If conscious, give 2 glasses of water. Get immediately medical attention.
Skin:	Wash with soap and water. Remove contaminated clothing. Get medical attention if irritation develops. Launder contaminated clothing before reuse.
Eyes:	Flush with water at least 15 minutes. Get medical attention if eye irritation develops or persists.
Inhaled:	Remove exposed person to fresh air if adverse effects are observed.

FIRST AID FACILITIES:

ADVICE TO DOCTOR: Treat symptomatically.

PRECAUTIONS FOR USE

Exposure Standards:	The ACGIH TLV for mineral oil mists is 5mg/m ³ for a daily 8 hours exposure.
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MATERIAL SAFETY DATA SHEET

The ACGIH TLV for Sulphur dioxide is 2 mg/m³ for a daily 8 hours exposure.

Engineering Controls:	As for oil mists
Personal Protection:	Avoid prolonged or frequently repeated contact. Wash skin thoroughly with soap and water after contact. Use safety glasses and neoprene or nitrile rubber gloves for frequent contact.
Flammability:	Product is not classed flammable. Flash Point greater than 190°C Product may support combustion. Do not store with strong oxidants.

SAFE HANDLING INFORMATION

Storage and Transport:	Store away from foodstuffs. Use dry, security rated storage as used for schedule 6 poison categories. Transport as per dangerous goods regulations.
Storage Temperature:	Material is normally stable at moderately elevated temperatures and pressures.
UN Class:	None Assigned.
Packaging Group:	None Assigned.
UN Number:	None Assigned.
EPG Number:	None Assigned.
Correct Shipping Name:	Seal Expander and Conditioner.
Spills and Disposals:	Personal Protective Equipment must be worn, see Special Protection Information Section for PPE recommendations. Ventilate area if spilled in confined space or other poorly ventilated areas. Prevent entry into sewers and waterways. Pick up free liquid for recycle and/or disposal. Residual liquid can be absorbed on inert material. Check under Transportation and Labelling (DOT/CERCLA) and Other Regulatory Information Section (SARA) for hazardous substances to determine regulatory reporting requirements for spills.

MATERIAL SAFETY DATA SHEET

Fire/Explosion Hazard: Toxic fumes; gases or vapours may evolve on burning or exposure to heat.

Decomposition Products: Smoke, carbon monoxide, aldehydes and other products of incomplete combustion. Under combustion conditions, oxides of Sulphur will be formed.

Hazchem Code: Not Applicable.

Extinguishant: CO₂, dry chemical, alcohol foam. Water can be used to cool and protect exposed material.

DANGER OF VIOLENT REACTION OR EXPLOSION: No

Protective Clothing; Long sleeve shirt is recommended. Launder contaminated clothing before reuse.

Appropriate Measures; Good Safe Handling Practice.

Evacuate; Not Usually.

OTHER INFORMATION:

Special Precautions: Open container in a well ventilated area. Avoid breathing vapours. Keep containers closed when hot in use. Sulphur dioxide may build up in the vapour space or headspace at temperatures above 100°F (38°C). Wash thoroughly after handling. Launder contaminated clothing before reuse. Empty container contains product residue, which may exhibit hazards of product.

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