



# SAFETY DATA SHEET

## ILS PL 450

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Issued by: Industrial Lubricants & Services Ltd  
9 pages

### SECTION 1. IDENTIFICATION

<b><u>Product Identifier</u></b>	ILS PL 450
<b><u>Company Name</u></b>	Industrial Lubricants & Services Ltd
<b><u>Address</u></b>	PO Box 259 347, Botany, Manukau 2163 Auckland, New Zealand
<b><u>Telephone</u></b> Tel: 0800 10 40 11	<b><u>ILS Technical Helpline</u></b> 0800 10 40 17
<b><u>Emergency phone number</u></b> <i>New Zealand National Poison Centre</i>	0800 764 766

### **Recommended use of the chemical and restrictions on use**

Base oil. As a component in lubricating or related products.

### SECTION 2. HAZARD IDENTIFICATION

#### **GHS 7/HSNO classification of the substance/mixture**

This material is classified as hazardous according to criteria in the Hazardous Substances (Hazard Classification) Notice 2020.



#### **Signal Word**

Warning

## Hazard Classifications

Acute Toxicity - Inhalation - Category 4

Skin Corrosion/Irritation - Category 2

Reproductive Toxicity - Category 2

## Hazard Statements

H315 Causes skin irritation.

H332 Harmful if inhaled.

H361 Suspected of damaging fertility or the unborn child.

## Prevention Precautionary Statements

P102 Keep out of reach of children.

P103 Read carefully and follow all instructions.

P202 Do not handle until all safety precautions have been read and understood.

P261 Avoid breathing dust, fume, gas, mist, vapours or spray.

P264 Wash hands, face and all exposed skin thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/protective clothing including eye/face protection.

## Response Precautionary Statements

P101 If medical advice is needed, have product container or label at hand.

P302+P352 IF ON SKIN: Wash with plenty of water and soap.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312 Call a POISON CENTER/doctor if you feel unwell.

P332+P313 If skin irritation occurs: Get medical advice/attention.

P362+P364 Take off contaminated clothing and wash it before reuse

## Storage Precautionary Statement

P405 Store locked up.

## Poison Schedule

S5. Caution

## Dangerous Good Classification

Not classified as Dangerous Goods by the criteria of the "New Zealand NZS 5433:2020 Transport of Dangerous Goods on Land".

Classified as a C2 (COMBUSTIBLE LIQUID) for the purpose of storage and handling, in accordance with the requirements of AS 1940. Refer to State Regulations for storage and transport requirements.

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## SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

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### Substance/mixture

Mixture

<u>Ingredient name</u>	<u>%</u>	<u>CAS number</u>
Residual oils, petroleum, solvent, refined	100	64742-01-4
Ingredients determined to be Non-Hazardous	Balance	

*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.

Occupational exposure limits, if available, are listed in Section 8.

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## SECTION 4. FIRST AID MEASURES

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For advice in an emergency, contact a Poisons Information Centre (0800 764 766) or a doctor at once.

### **Inhalation**

Remove victim from area of exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. If breathing laboured and patient cyanotic (blue), ensure airways are clear and have a qualified person give oxygen through a facemask. If breathing has stopped apply artificial respiration at once. In the event of cardiac arrest, apply external cardiac massage. Seek immediate medical advice.

### **Ingestion**

Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. Seek medical advice.

### **Skin**

If skin or hair contact occurs, immediately remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by the Poisons Information Centre or a Doctor; or for 15 minutes and transport to Doctor or Hospital.

### **Eye contact**

If in eyes wash out immediately with water. In all cases of eye contamination it is a sensible precaution to seek medical advice.

### **First Aid Facilities**

Eye wash, safety shower and normal washroom facilities.

### **Advice to Doctor**

Treat symptomatically.

**For advice in an emergency, contact NZ Poison Centre or a doctor at once (0800 764 766)**

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## SECTION 5. FIRE-FIGHTING MEASURES

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### **Extinguishing media**

#### **Suitable**

If material is involved in a fire use water fog (or if unavailable fine water spray), alcohol resistant foam, standard foam, dry agent (carbon dioxide, dry

	chemical powder).
<b>Not suitable</b>	Do not use water jet.
<b>Hazardous combustion products</b>	Combustible liquid.
<b>Hazchem code</b>	Not available.
<b>Special precautions for fire- fighters</b>	On burning or decomposing may emit toxic fumes. Fire fighters to wear selfcontained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion or decomposition.

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## SECTION 6. ACCIDENTAL RELEASE MEASURES

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### Small Spills:

Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapours or dust. Wipe up with absorbent (clean rag or paper towels). Collect and seal in properly labelled containers or drums for disposal.

### Large Spills:

Clear area of all unprotected personnel. Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination and the inhalation of vapours. Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers or drums for disposal. If contamination of crops, sewers or waterways has occurred advise local emergency services.

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## SECTION 7. HANDLING AND STORAGE

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### Precautions for Safe Handling

Avoid eye contact and skin contact. Avoid inhalation of vapour, mist or aerosols.

### Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from foodstuffs. Store away from incompatible materials described in Section 10. Store away from sources of heat and/or ignition. Store locked up. Keep container standing upright. Keep containers closed when not in use - check regularly for leaks.

Classified as a C2 (COMBUSTIBLE LIQUID) for the purpose of storage and handling, in accordance with the requirements of AS 1940. Refer to State Regulations for storage and transport requirements.

This material is a Scheduled Poison Schedule 5 (Caution) and must be stored, maintained and used in accordance with the relevant regulations.

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## SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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## Occupational exposure limits

Ingredient name	Exposure limits
Oil mist, refined mineral: (CAS No 64742-01-4)	TWA: 5 mg/m <sup>3</sup> / 8 hours

These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

If the directions for use on the product label are followed, exposure of individuals using the product should not exceed the above standard. The standard was created for workers who are routinely, potentially exposed during product manufacture.

### Appropriate engineering controls

Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Use only in well ventilated areas. Use with local exhaust ventilation or while wearing appropriate respirator. Vapour heavier than air - prevent concentration in hollows or sumps. Do NOT enter confined spaces where vapour may have collected.

### Individual protection measures

*The selection of PPE is dependent on a detailed risk assessment. The risk assessment should consider the work situation, the physical form of the chemical, the handling methods, and environmental factors.*

Wear safety shoes, overalls, gloves, safety glasses, respirator. Use with adequate ventilation. If inhalation risk exists wear organic vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Available information suggests that gloves made from nitrile rubber should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

### Hygiene measures

Keep away from food, drink and animal feeding stuffs. When using do not eat, drink or smoke. Wash hands prior to eating, drinking or smoking. Avoid contact with clothing. Avoid eye contact and skin contact. Avoid inhalation of vapour, mist or aerosols. Ensure that eyewash stations and safety showers are close to the workstation location.

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## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

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### Appearance

Physical state	Liquid	Flash point	>315°C (Closed Cup)
Colour	Yellow to Brown	Vapour pressure	<0.01 mmHg @ 20 °C
Odour	Neutral	Relative Vapour density	>5
pH	Not Applicable	Solubility	Negligible
Flammability Limits (%):	0.900 - 0.901 (V)	Melting	Not Available

		<b>Point/Range (°C)</b>	
<b>Auto ignition temperature (°C)</b>	>335	<b>Pour Point/Range (°C)</b>	-9
<b>Boiling Point/Range (°C)</b>	Not Available	<b>Viscosity @ 100°C</b>	31.5 cSt
<b>Total VOC (g/Litre)</b>	Not Available	<b>Molecular Weight</b>	690

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## SECTION 10. STABILITY AND REACTIVITY

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### Chemical stability

Stable under normal conditions of use.

### Conditions to Avoid

Elevated temperatures and sources of ignition.

### Incompatible materials

Incompatible with Oxidizing agents

### Hazardous Decomposition Products

Oxides of carbon and nitrogen, smoke and other toxic fumes.

### Possibility of hazardous reactions

No known hazardous reactions.

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## SECTION 11. TOXICOLOGICAL INFORMATION

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### Symptoms related to the physical, chemical and toxicological characteristics

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

### ACUTE EFFECTS

**Inhalation** Harmful if inhaled. Material may be an irritant to mucous membranes and respiratory tract.

**Ingestion** Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract.

**Skin contact** Contact with skin may result in irritation.

**Eye contact** May be an eye irritant.

### ACUTE TOXICITY

**Inhalation** This material has been classified as a Category 4 Hazard. Acute toxicity estimate (based on ingredients): 10.0 < LC50 ≤ 20.0 mg/L for vapours or 1.0 < LC50 ≤ 5.0 mg/L for dust and mist.

**Ingestion** This material has been classified as not hazardous for acute ingestion exposure. Acute toxicity estimate (based on ingredients): LD50 > 2,000 mg/Kg bw

**Skin contact** This material has been classified as not hazardous for acute dermal exposure. Acute toxicity estimate (based on ingredients): LD50 > 2,000

mg/Kg bw

**Corrosion/Irritancy** Eye: this material has been classified as not corrosive or irritating to eyes.  
Skin: this material has been classified as a Category 2 Hazard (reversible effects to skin).

**Sensitisation** Inhalation: this material has been classified as not a respiratory sensitiser.  
Skin: this material has been classified as not a skin sensitiser.

**Aspiration hazard** This material has been classified as not an aspiration hazard.

**Specific target organ toxicity (single exposure)**  
This material has been classified as not a specific hazard to target organs by a single exposure

## **CHRONIC TOXICITY**

**Mutagenicity** This material has been classified as not a mutagen.

**Carcinogenicity** This material has been classified as not a carcinogen.

**Reproductive toxicity (including via lactation)**  
This material has been classified as a Category 2 Hazard.

**Specific target organ toxicity (repeat exposure)**  
This material has been classified as not a specific hazard to target organs by repeat exposure.

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## **SECTION 12. ECOLOGICAL INFORMATION**

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Avoid contaminating waterways.

### **Acute aquatic hazard**

This material has been classified as not hazardous for acute aquatic exposure. Acute toxicity estimate (based on ingredients): > 100 mg/L

### **Long-term aquatic hazard**

This material has been classified as not hazardous for chronic aquatic exposure. Non-rapidly or rapidly degradable substance for which there are adequate chronic toxicity data available OR in the absence of chronic toxicity data, Acute toxicity estimate (based on ingredients): >100 mg/L, where the substance is not rapidly degradable and/or BCF < 500 and/or log Kow < 4.

### **Ecotoxicity**

No information available.

### **Persistence and degradability**

No information available.

### **Bio accumulative potential**

No information available.

### **Soil Mobility**

No information available.

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## SECTION 13. DISPOSAL CONSIDERATIONS

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Persons conducting disposal, recycling or reclamation activities should ensure that appropriate personal protection equipment is used, see "Section 8. Exposure Controls and Personal Protection" of this SDS.

If possible material and its container should be recycled. If material or container cannot be recycled, dispose in accordance with local, regional, national and international Regulations.

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## SECTION 14. TRANSPORT INFORMATION

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Road & Rail Transport		Marine Transport		Air Transport	
UN No.	-	UN No.	-	UN No.	-
Proper Shipping Name	-	Proper Shipping Name	-	Proper Shipping Name	-
DG Class	Non-Dangerous Goods	DG Class	Non-Dangerous Goods	DG Class	Non-Dangerous Goods
Sub Risk	None	Sub Risk	None	Sub Risk	None
Pack Group	-	Pack Group	-	Pack Group	-
Hazchem	-	Hazchem	-	Hazchem	-

Not classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433:2020 Transport of Dangerous Goods on Land.

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## SECTION 15. REGULATORY INFORMATION

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### New Zealand Regulatory Information

Classified as Hazardous according to the New Zealand Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.

**HSNO Approval Number**

HSR002602

**HSNO Group Standard**

Lubricants (Combustible) Group Standard 2020

**HSNO Classification**

6.1 Category D - Acute Toxicity - Inhalation - Category 4  
6.3 Category A - Skin Corrosion/Irritation - Category 2  
6.8 Category B - Reproductive Toxicity - Category 2

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## SECTION 16. OTHER INFORMATION

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### References

Workplace Exposure Standards and Biological Exposure Indices.

Transport of Dangerous goods on land NZS 5433:2020

Preparation of Safety Data Sheets - Approved Code of Practice Under the HSNO Act 1996 (HSNO CoP 8-1 09-06). Assigning a hazardous substance to a group standard.

American Conference of Industrial Hygienists (ACGIH)

### END OF SDS

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