

Infosafe No™ LQ1X0	Issue Date : December 2012	ISSUED by ILS
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Product Name : **ILS DRP 690**

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

<b>Product Name</b>	ILS DRP 690
<b>Company Name</b>	Industrial Lubricants & Services Ltd
<b>Address</b>	PO Box 259 347, Botany, Manukau 2163 Auckland, New Zealand
<b>Emergency Tel.</b>	0800 10 40 17
<b>Telephone/Fax Number</b>	Tel: 0800 10 40 11 Fax: 0800 10 40 15
<b>Email</b>	orders@industlubes.co.nz
<b>Recommended Use</b>	Corrosion prevention.

## 2. HAZARDS IDENTIFICATION

**Hazard Classification** Classified as Hazardous according to the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001, New Zealand.  
Not classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433:2012 Transport of Dangerous Goods on Land.

HSNO Classification:  
6.1D (Oral) - Substance that is acutely toxic  
6.1E (Inhalation - vapours, dusts or mists) - Substance that is acutely toxic  
9.3C - Substance that is harmful to terrestrial vertebrates

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Name	CAS	Proportion
	Diethyl sebacate	122-62-3	50-95 %
	2-Butoxyethanol	111-76-2	<5 %

## 4. FIRST AID MEASURES

<b>Inhalation</b>	If inhaled, remove affected person from contaminated area. Keep at rest until recovered. Seek medical attention.
<b>Ingestion</b>	Do not induce vomiting. Wash out mouth thoroughly with water. Seek immediate medical attention.
<b>Skin</b>	Wash affected areas thoroughly with soap and water. Remove contaminated clothing and wash before reuse or discard. If symptoms develop seek medical attention.
<b>Eye</b>	If contact with the eyes occurs, flush thoroughly with water for several minutes. If symptoms persist seek medical attention.
<b>First Aid Facilities</b>	Eye wash and normal washroom facilities.
<b>Advice to Doctor</b>	Treat symptomatically.
<b>Other Information</b>	For advice in an emergency, contact a Poisons Information Centre (Phone Australia 13 1126; New Zealand 0800 POISON / 0800 764 766) or a doctor at once.

## 5. FIRE FIGHTING MEASURES

<b>Suitable Extinguishing Media</b>	Extinguish fire with foam, chemical powder, carbon dioxide, water spray or water fog.
<b>Hazards from Combustion Products</b>	Under fire conditions this product may emit toxic and/or irritating fumes and gases including carbon monoxide and carbon dioxide.
<b>Specific Hazards</b>	Combustible liquid. This product will burn if exposed to fire.
<b>Precautions in connection with Fire</b>	Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) and full protective clothing operated in positive pressure mode to prevent exposure to vapours, fumes or products of combustion. Water spray may be used to cool down heat-exposed containers.
<b>Unsuitable Extinguishing Media</b>	Do not use water jet

Infosafe No™ LQ1X0	Issue Date : December 2012	ISSUED by ILS
--------------------	----------------------------	---------------

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## 6. ACCIDENTAL RELEASE MEASURES

**Emergency Procedures**      Wear appropriate personal protective equipment and clothing to prevent exposure. Extinguish or remove all sources of ignition and stop leak if safe to do so. Increase ventilation. Evacuate all unprotected personnel. If possible contain the spill. Place inert absorbent, non-combustible material onto spillage. Use clean non-sparking tools to collect the material and place into suitable labelled containers for subsequent recycling or disposal. Dispose of waste according to the applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations.

## 7. HANDLING AND STORAGE

**Precautions for Safe Handling**      Use only in a well ventilated area. Keep containers sealed when not in use. Prevent the build up of mists or vapours in the work atmosphere. Avoid inhalation of vapours and mists, and skin or eye contact. Do not use near ignition sources. Do not pressurise, cut, heat or weld containers as they may contain hazardous residues. Maintain high standards of personal hygiene ie. Washing hands prior to eating, drinking, smoking or using toilet facilities.

**Conditions for Safe Storage**      Store in a cool, dry well-ventilated area away from heat, sources of ignition, oxidising agents, foodstuffs, and clothing and out of direct sunlight. Keep containers closed when not in use and securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks. For information on the design of the storeroom, reference should be made all relevant regulations.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**National Exposure Standards**      No exposure value assigned for this material by the Occupational Safety and Health Service (OSH) of the New Zealand Department of Labour. However, the available exposure limits for ingredients are listed below:

New Zealand Occupational Safety and Health Service (OSH) Workplace Exposure Standards:

Substance	TWA		STEL		NOTICES
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	
2-Butoxyethanol	25	121	-	-	Sk

TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.

STEL (Short Term Exposure Limit): The average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.

'Sk' Notice: Absorption through the skin may be a significant source of exposure. The exposure standard is invalidated if such contact should occur. No biological limit allocated.

**Biological Limit Values**

**Engineering Controls**      Provide sufficient ventilation to keep airborne levels below the exposure limits. Where vapours or mists are generated, particularly in enclosed areas, and natural ventilation is inadequate, a local exhaust ventilation system is required.

**Respiratory Protection**      If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable mist/organic vapour filter should be used. Reference should be made to Australian/New Zealand Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

**Eye Protection**      Safety glasses with side shields or chemical goggles should be worn. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

**Hand Protection**      Wear gloves of impervious material. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

Infosafe No™ LQ1X0	Issue Date : December 2012	ISSUED by ILS
--------------------	----------------------------	---------------

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**Body Protection** Suitable protective work wear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance** Amber liquid  
**Odour** Not available  
**Melting Point** Not available  
**Boiling Point** Not available  
**Solubility in Water** Insoluble  
**pH Value** Not applicable  
**Vapour Pressure** Not available  
**Vapour Density (Air=1)** Not available  
**Density** 0.9 g/cm<sup>3</sup> at 15°C  
**Flash Point** >200°C (Closed cup)  
**Flammability** Combustible liquid  
**Auto-Ignition Temperature** Not available  
**Flammable Limits - Lower** Not available  
**Flammable Limits - Upper** Not available  
**Kinematic Viscosity** 12 cSt at 40°C

## 10. STABILITY AND REACTIVITY

**Chemical Stability** Stable under normal conditions of storage and handling.  
**Conditions to Avoid** Heat, flames and other ignition sources.  
**Incompatible Materials** Strong oxidising agents.  
**Hazardous Decomposition Products** Thermal decomposition may result in the release of toxic and/or irritating fumes including carbon monoxide and carbon dioxide.  
**Hazardous Polymerization** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

**Toxicology Information** Not available  
**Inhalation** May be harmful by inhalation. Inhalation of product vapours can cause irritation of the nose, throat and respiratory system.  
**Ingestion** Harmful if swallowed. Ingestion of this product can cause irritation to the mouth, throat, oesophagus and stomach with symptoms of nausea, abdominal discomfort, vomiting and diarrhoea.  
**Skin** May cause redness, itching and irritation.  
**Eye** May cause eye irritation, tearing, stinging, blurred vision, and redness.  
**Chronic Effects** Prolonged or repeated skin contact may cause defatting leading to dermatitis.  
**Reproductive Toxicity** Not expected to be toxic to reproduction.  
**Carcinogenicity** Not expected to be carcinogenic.  
**Skin Sensitisation** Not expected to cause skin sensitisation.

Infosafe No™ LQ1X0	Issue Date : December 2012	ISSUED by ILS
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## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	Harmful to terrestrial vertebrates.
<b>Persistence / Degradability</b>	Not available
<b>Mobility</b>	Not available
<b>Environ. Protection</b>	Avoid contaminating waterways.

## 13. DISPOSAL CONSIDERATIONS

**Disposal Considerations**      Product Disposal:  
Product wastes are controlled wastes and should be disposed of in accordance with all applicable local and national regulations. This product can be disposed through a licensed commercial waste collection service. In this specific case the product is a combustible substance and therefore can be sent to an approved high temperature incineration plant for disposal.  
Personal protective clothing and equipment as specified in Section 8 of this SDS must be worn during handling and disposal of this product. The ventilation requirements as specified in the same section must also be followed, and the precautions given in Section 7 of this SDS regarding handling must also be followed.  
Do not dispose into the sewerage system. Do not discharge into drains or watercourses or dispose where ground or surface waters may be affected. In New Zealand, the disposal agency or contractor must comply with the New Zealand Hazardous Substances (Disposal) Regulations 2001. Further details regarding disposal can be obtained on the EPA New Zealand website under specific group standards.

Container Disposal:  
The container or packaging must be cleaned and rendered incapable of holding any substance. It can then be disposed of in a manner consistent with that of the substance it contained. In this instance the packaging can be disposed through a commercial waste collection service.  
Alternatively, the container or packaging can be recycled if the hazardous residues have been thoroughly cleaned or rendered non-hazardous.  
In New Zealand, the packaging (that may or may not hold any residual substance) that is lawfully disposed of by householders or other consumers through a public or commercial waste collection service is a means of compliance with regulations.

## 14. TRANSPORT INFORMATION

<b>Transport Information</b>	New Zealand: Not classified as Dangerous Goods for transport according to the NZS 5433:2012 Transport of Dangerous Goods on Land.
<b>IMDG Marine Pollutant (MP)</b>	No

## 15. REGULATORY INFORMATION

<b>National and or International Regulatory Information</b>	New Zealand: Classified as Hazardous according to the New Zealand Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001. All components of this product are listed on the New Zealand Inventory of Chemicals (NZIoC) or exempted. Group Standard: Corrosion Inhibitors (Subsidiary Hazard) Group Standard 2006
<b>HSNO Approval Number</b>	HSR002549

## 16. OTHER INFORMATION

<b>Date of preparation or last revision of MSDS</b>	MSDS Created: December 2012
	...End Of MSDS...

Infosafe No™ LQ1X0

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