

# Material Safety Data Sheet

Infosafe No™ LQ3LV	Issue Date : August 2014	ISSUED by INTERLUB
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Product Name : **LPG CNG 15W-40 GAS ENGINE OIL (II)**

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

<b>Product Name</b>	LPG CNG 15W-40 GAS ENGINE OIL (II)
<b>Company Name</b>	International Lubricant Distributors Pty. Ltd. (ABN 79 139 276 887)
<b>Address</b>	Suite 11, 100 Hay Street Subiaco WA 6008 Australia
<b>Emergency Tel.</b>	1300 558 939
<b>Telephone/Fax Number</b>	Fax: +61 8 9381 1788
<b>Recommended Use</b>	Can be used in single LPG or CNG fuel engine of passenger car, or LPG/gasoline dual fuel engine for lubricating, cooling and airproofing, etc.
<b>Other Information</b>	Waitomo Lubricants Limited (GST 104255744) 15 Ellis Street, Frankton, Hamilton PO Box 5125, Hamilton 3242 Emergency Tel. 07 847 0829 (24 Hrs) Tel. 07 847 0829 Fax. 07 846 0032

## 2. HAZARDS IDENTIFICATION

<b>Hazard Classification</b>	Not classified as Hazardous according to criteria of National Occupational Health and Safety Commission (NOHSC), Australia. Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)
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## 3. COMPOSITION/INFORMATION ON INGREDIENTS

<b>Ingredients</b>	<b>Name</b>	<b>CAS</b>	<b>Proportion</b>
	Base Oils	Mixture	80-100 %
	Additives		0-<20 %

## 4. FIRST AID MEASURES

<b>Inhalation</b>	If inhaled, remove affected person from contaminated area. Keep at rest until recovered. If symptoms persist seek medical attention.
<b>Ingestion</b>	Do not induce vomiting. Wash out mouth thoroughly with water. Seek medical attention.
<b>Skin</b>	Wash affected area thoroughly with soap and water. If symptoms develop seek medical attention.
<b>Eye</b>	If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing for several minutes until all contaminants are washed out completely. If symptoms develop and persist seek medical attention.
<b>First Aid Facilities</b>	Eyewash 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 or a doctor at once. (131 126)

## 5. FIRE FIGHTING MEASURES

<b>Suitable Extinguishing Media</b>	Use carbon dioxide, dry chemical, water fog or foam.
<b>Hazards from Combustion Products</b>	Under fire conditions this product may emit toxic and/or irritating fumes including carbon monoxide, carbon dioxide, oxides of nitrogen, and unidentified organic compounds.
<b>Specific Hazards</b>	This product will readily burn under fire conditions.
<b>Decomposition Temp.</b>	Not available
<b>Precautions in connection with Fire</b>	Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) operated in positive pressure mode and full protective clothing to prevent exposure to vapours or fumes. Water spray may be used to cool down heat-exposed containers. Fight fire from safe location. This product should be prevented

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**Unsuitable Extinguishing Media** from entering drains and watercourses.  
Water jet.

## 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 i.e. 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 sources of ignition, oxidising agents, strong acids, foodstuffs, and clothing. Keep containers closed when not in use and securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks. Have appropriate fire extinguishers available in and near the storage area. Take precautions against static electricity discharges. Use proper grounding procedures. For information on the design of the storeroom, reference should be made to Australian Standard AS1940 - The storage and handling of flammable and combustible liquids. Reference should also be made to all applicable local and national regulations.

**Storage Regulations** Classified as a Class C2 (COMBUSTIBLE LIQUID) for the purpose of storage and handling, in accordance with the requirements of AS1940.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**National Exposure Standards** No exposure standards have been established for this material, however, the TWA exposure standards for refined mineral oil mist is 5 mg/m<sup>3</sup>. As with all chemicals, exposure should be kept to the lowest possible levels.  
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.  
Source: Safe Work Australia.

**Biological Limit Values** No Biological limit available.

**Engineering Controls** Use with good general ventilation. If mists or vapours are produced, local exhaust ventilation should be used.

**Respiratory Protection** If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable 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 goggles as appropriate should be worn. Final choice of appropriate eye/face protection will vary according to individual circumstances i.e. methods of handling or engineering controls and according to risk assessments undertaken. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

**Hand Protection** Wear gloves of impervious material such as neoprene or nitrile rubber. 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 -

# Material Safety Data Sheet

Infosafe No™ LQ3LV Issue Date : August 2014 ISSUED by INTERLUB

Product Name : LPG CNG 15W-40 GAS ENGINE OIL (II)

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**Body Protection** Selection, use and maintenance.  
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.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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**Appearance** Light to brown liquid

**Odour** Petroleum

**Decomposition Temperature** Not available

**Melting Point** Not available

**Boiling Point** Not available

**Solubility in Water** Insoluble

**Solubility in Organic Solvents** Soluble in hydrocarbon solvents

**pH Value** Not applicable

**Vapour Pressure** <0.01mmHg (37.8°C) (maximum value)

**Vapour Density (Air=1)** >1 (minimum)

**Evaporation Rate** Not available

**Odour Threshold** Not available

**Viscosity** 13.5-16mm<sup>2</sup>/s (100°C)

**Colour** Light to brown

**Pour Point** -27°C (Typical)

**Octanol/Water Partition Coefficient** Not available

**Density** 0.80-0.90kg/l (20°C) (typical)

**Flash Point** 220°C (minimum) (Cleveland Open Cup)

**Flammability** Not flammable

**Auto-Ignition Temperature** Not available

**Flammable Limits - Lower** Not available

**Flammable Limits - Upper** Not available

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## 10. STABILITY AND REACTIVITY

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**Stability and Reactivity** Reacts with incompatible materials.

**Chemical Stability** Stable under normal conditions of storage and handling.

**Conditions to Avoid** Heat, flames and other sources of ignition.

**Incompatible Materials** Strong acids or strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.

**Hazardous Decomposition Products** Thermal decomposition may result in the release of toxic and/or irritating fumes including unidentified organic compounds, carbon monoxide and carbon dioxide.

**Hazardous Polymerization** Will not occur.

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## 11. TOXICOLOGICAL INFORMATION

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**Toxicology Information** No toxicity data available for this material.

# Material Safety Data Sheet

Infosafe No™ LQ3LV Issue Date : August 2014 ISSUED by INTERLUB

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<b>Inhalation</b>	Inhalation of product vapours may cause irritation of the nose, throat and respiratory system.
<b>Ingestion</b>	Ingestion of this product may irritate the gastric tract causing nausea and vomiting.
<b>Skin</b>	May be irritating to skin. The symptoms may include redness, itching and swelling.
<b>Eye</b>	May be irritating to eyes. The symptoms may include redness, itching and tearing.
<b>Chronic Effects</b>	Prolonged or repeated skin contact may cause defatting leading to dermatitis.
<b>Carcinogenicity</b>	<p>This product contains petroleum base oils which may be refined by various processes including severe solvent extraction, severe hydrocracking, or severe hydrotreating. None of the oils requires a cancer warning under the OSHA Hazard Communication Standard (29 CFR 1910.1200). These oils have not been listed in the National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as; carcinogenic to humans (Group 1), probably carcinogenic to humans (Group 2A), or possibly carcinogenic to humans (Group 2B). These oils have not been classified by the American Conference of Governmental Industrial Hygienists (ACGIH) as: confirmed human carcinogen (A1), suspected human carcinogen (A2), or confirmed animal carcinogen with unknown relevance to humans (A3).</p> <p>During use in engines, contamination of oil with low levels of cancer-causing combustion products occurs. Used motor oils have been shown to cause skin cancer in mice following repeated application and continuous exposure. Brief or intermittent skin contact with used motor oil is not expected to have serious effects in humans if the oil is thoroughly removed by washing with soap and water.</p>

## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	This material is not expected to be harmful to aquatic organisms. The ecotoxicity hazard is based on an evaluation of data for the components or a similar material.
<b>Persistence / Degradability</b>	This material is not expected to be readily biodegradable. The biodegradability of this material is based on an evaluation of data for the components or a similar material.
<b>Mobility</b>	Not available
<b>Bioaccumulative Potential</b>	Not available
<b>Environ. Protection</b>	Prevent this material entering waterways, drains and sewers.

## 13. DISPOSAL CONSIDERATIONS

<b>Disposal Considerations</b>	The disposal of the spilled or waste material must be done in accordance with applicable local and national regulations.
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## 14. TRANSPORT INFORMATION

<b>Transport Information</b>	<p>Road and Rail Transport (ADG Code): Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code) (7th edition).</p> <p>Marine Transport (IMO/IMDG): Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.</p> <p>Air Transport (ICAO/IATA): Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.</p>
<b>IMDG Marine Pollutant (MP)</b>	No

## 15. REGULATORY INFORMATION

<b>Regulatory Information</b>	Not classified as Hazardous according to criteria of National Occupational Health and Safety Commission (NOHSC), Australia.
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Infosafe No™ LQ3LV Issue Date : August 2014 ISSUED by INTERLUB

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**Poisons Schedule**

Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP). (Exempted)  
Not Scheduled

**AICS (Australia)**

All components of this product are listed on the Inventory or exempted.

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**16. OTHER INFORMATION****Date of preparation  
or last revision of  
MSDS**

SDS created: August 2014

**Literature  
References**

Standard for the Uniform Scheduling of Medicines and Poisons.  
Approved criteria for classifying hazardous substances [NOHSC:1008(2004)].  
National Code of Practice for the Preparation of Material Safety Data Sheets [NOHSC:2011(2003)].  
Australian Code for the Transport of Dangerous Goods by Road & Rail.  
Model Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.  
Workplace exposure standards for airborne contaminants, Safe work Australia.  
American Conference of Industrial Hygienists (ACGIH).  
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