

Material Safety Data Sheet

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Infosafe No™ LPZ3G Issue Date : June 2010 ISSUED by INTERLUB

Product Name : **FULLY SYN 5W40 API SM/CF**

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name FULLY SYN 5W40 API SM/CF

Company Name International Lubricant Distributors Pty. Ltd. (ABN 79 139 276 887)

Address Suite 28 Level 3, 22 Railway Rd Subiaco
WA 6904 Australia

Emergency Tel. 1300 558 939

Telephone/Fax Number Fax: +61 8 9381 1788

Recommended Use Engine lubricant

Other Information 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

Hazard Classification Australia:
Not classified as Hazardous according to criteria of National Occupational Health & Safety Commission, Australia (NOHSC).
Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

New Zealand:
Not 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 5433:2007 Transport of Dangerous Goods on Land.

Safety Phrase(s) S23(4) Do not breathe vapour.
S25 Avoid contact with eyes.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Mineral oil		70-80 %
	Additives		20-30 %

4. FIRST AID MEASURES

Inhalation If inhaled, remove affected person from contaminated area. Keep at rest until recovered. If symptoms persist seek medical attention.

Ingestion Do not induce vomiting. Wash out mouth thoroughly with water. If symptoms develop seek medical attention.

Skin Wash affected area thoroughly with soap and water. Remove contaminated clothing and wash before reuse or discard. If symptoms develop seek medical attention.

Eye If in eyes wash out immediately with water. Continue flushing for several minutes until all contaminants are washed off completely. Seek medical attention.

First Aid Facilities Eyewash and normal washroom facilities

Advice to Doctor Treat symptomatically.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media Use carbon dioxide, dry chemical or foam.

Hazards from Combustion Products Under fire conditions this product may emit toxic and/or irritating fumes including nitrogen oxides, carbon oxides, sulphur oxides and inorganic and organic compounds.

Specific Hazards Combustible liquid. This product will readily burn under fire conditions.

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Precautions in connection with Fire 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.

Unsuitable Extinguishing Media Do not use 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. Wash surfaces well with detergent and water. 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 authorities and EPA 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. Do not use at temperatures exceeding 176°C. 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, strong oxidising agents, strong acids, foodstuffs, and clothing. Keep containers at temperatures between 0 and 50°C, 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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards No exposure standards have been established for this material. As with all chemicals, exposure should be kept to the lowest possible levels. The exposure limits for oil mist are as follows:
Australian National Occupational Health And Safety Commission (NOHSC) exposure standards:

Oil mist TWA 5 mg/m³

New Zealand Workplace Exposure Standards (OSH):

Oil mist TWA 5 mg/m³ STEL 10 mg/m³

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.

Biological Limit Values No biological limit allocated.

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 flameproof exhaust ventilation system is required. Refer to AS 1940 - The storage and handling of flammable and combustible liquids and AS/NZS 2430.3.1:1997 : Classification of hazardous areas - Examples of area classification - General, for further information concerning ventilation requirements.

Respiratory Protection If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable organic vapour filter should be

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Eye Protection	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 Safety glasses with side shields or goggles as appropriate recommended. 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 oil resistant gloves. 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.
Body Protection	Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant PVC apron is recommended where large quantities are handled. Industrial clothing should conform to the specifications detailed in AS/NZS 2919: Industrial clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Brownish liquid
Odour	Characteristic mineral oil
Melting Point	Not available
Boiling Point	Not available
Solubility in Water	Negligible
pH Value	Not available
Vapour Pressure	<0.5Pa at 20°C
Vapour Density (Air=1)	Not available
Density	0.859 g/cm ³
Flash Point	>200°C
Flammability	Combustible liquid, C2
Auto-Ignition Temperature	>300°C
Flammable Limits - Lower	1.0
Flammable Limits - Upper	6.0
Kinematic Viscosity	85 cSt at 40°C 14.0 cSt at 100°C

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions of storage and handling.
Conditions to Avoid	Heat and other sources of ignition
Incompatible Materials	Strong oxidising agents and strong acids
Hazardous Decomposition Products	Under fire conditions this product may emit toxic and/or irritating fumes including nitrogen oxides, carbon oxides, sulphur oxides and inorganic and organic compounds.
Hazardous Polymerization	Will not occur.

11. TOXICOLOGICAL INFORMATION

Toxicology Information	Acute toxicity data for this product: LD50 (Oral): >2000 mg/kg LD50 (Dermal): >2000 mg/kg
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Inhalation	Inhalation of product vapours may cause irritation of the nose, throat and respiratory system.
Ingestion	Ingestion of this product may irritate the gastric tract causing nausea and vomiting.
Skin	May be irritating to skin. The symptoms may include redness, itching and swelling.
Eye	May be irritating to eyes. The symptoms may include redness, itching and tearing.
Chronic Effects	Repeated or prolonged skin contact may lead to dermatitis.

12. ECOLOGICAL INFORMATION

Ecotoxicity	No ecological data are available for this material.
Persistence / Degradability	Not readily biodegradable. Major constituents are expected to be inherently biodegradable, but the product contains components that may persist in the environment.
Mobility	Float on water. It is absorbed by soil and will not be mobile.
Bioaccumulative Potential	Has the potential to bioaccumulate.
Environ. Protection	No data is available for this material. However, oil spills can smother and suffocate aquatic life by preventing passage of oxygen into water. Oil contamination can also foul and smother birds and marine animals. Do not discharge this material into waterways, drains and sewers.

13. DISPOSAL CONSIDERATIONS

Disposal Considerations	The disposal of the spilled or waste material must be done in accordance with applicable local and national regulations. Empty containers may contain residues. Do not puncture, cut or weld empty containers.
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14. TRANSPORT INFORMATION

Transport Information	Australia: Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition) New Zealand: Not classified as Dangerous Goods for transport according to the NZS 5433:2007 Transport of Dangerous Goods on Land.
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15. REGULATORY INFORMATION

Regulatory Information	Australia: Not classified as Hazardous according to criteria of National Occupational Health & Safety Commission (NOHSC), Australia. Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).
Poisons Schedule	Not Scheduled
National and or International Regulatory Information	New Zealand: Not classified as Hazardous according to the New Zealand Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.

16. OTHER INFORMATION

Date of preparation or last revision of MSDS	MSDS Created: June 2010 ...End Of MSDS...
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