

Infosafe No.	LPWN1	Issue Date : August 2007	ISSUED by AUSTRALI
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Product Name : **BIODIESEL (FATTY ACID METHYL ESTERS)**

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name BIODIESEL (FATTY ACID METHYL ESTERS)
Product Code 144920
Company Name AUSTRALIAN RENEWABLE FUELS LIMITED
Address 85 South Perth Esplanade
 South Perth
 WA Australia
Emergency Tel. +61 8 9363 3500
Telephone/Fax Number Tel: +61 8 9363 3500
Recommended Use Fuel.

2. HAZARDS IDENTIFICATION

Hazard Classification NON-HAZARDOUS SUBSTANCE.
 NON-DANGEROUS GOODS.
 Hazard classification according to the criteria of NOHSC.
 Dangerous goods classification according to the Australia Dangerous Goods Code.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Ingredients determined not to be hazardous		Balance

4. FIRST AID MEASURES

Inhalation If inhaled, remove from contaminated area. Apply artificial respiration if not breathing. If symptoms develop seek medical attention.

Ingestion Do NOT induce vomiting. Immediately wash out mouth with water. If symptoms develop seek medical attention.

Skin Wash affected area thoroughly with soap and water. If symptoms develop seek medical attention.

Eye If contact with the eye(s) occur, wash with copious amounts of water, holding eyelid(s) open. Take care not to rinse contaminated water into the non-affected eye. If irritation develops and persists, seek medical attention.

First Aid Facilities Normal washroom facilities.

Advice to Doctor Treat symptomatically.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media Foam, dry chemical, carbon dioxide and water spray.

Hazards from Combustion Products Under fire conditions this product may emit toxic and/or irritating fumes including carbon monoxide and carbon dioxide.

Special Protective Equipment for fire fighters Full protective clothing and self-contained breathing apparatus.

Specific Hazards Oil soaked rags should be stored in an approved safety container or washed with soap and water, then dried in a well ventilated area to avoid spontaneous combustion.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures Slippery when spilt, avoid accidents. Remove all sources of heat. Increase ventilation. Wear sufficient respiratory protection and full protective clothing to minimise skin and eye exposure. Avoid inhalation. If possible contain the spill. Place inert absorbent material onto spillage. Mop up material and place into the same container. Wash hard surfaces with safety solvent or detergent to remove remaining oil film. If the spillage enters the waterways contact the Environmental Protection Authority, or your local Waste Management Authority.

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7. HANDLING AND STORAGE

Precautions for Safe Handling Use in a well ventilated area. DO NOT store or use in confined spaces. Build up of mists or vapours in the atmosphere must be prevented. Avoid breathing in spray or mists or vapours. Do not use near welding or other ignition sources and avoid sparks. Do not smoke. Exposure without protection should be prevented in order to lessen the possibility of skin disorders. It is essential that all who come into contact with this material 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 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.

Storage Temperatures 10 - 50°C

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards No exposure standards have been established for this material by the National Occupational Health And Safety Commission (NOHSC).

Biological Limit Values No biological limit allocated.

Engineering Controls Provide sufficient ventilation to keep airborne levels below the exposure limit. 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 respiratory protective equipment should be used suitable for protecting against airborne contaminants. Final choice of appropriate breathing protection is dependant upon actual airborne concentrations and the type of breathing protection required will vary according to individual circumstances. Expert advice may be required to make this decision. Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices.

Eye Protection Safety glasses with side shields, goggles or full-face shield 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 gloves of impervious material such as PVC. 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 Wear appropriate clothing including chemical resistant apron where clothing is likely to be contaminated.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Pale yellow, green or brown liquid.

Odour Not available.

Melting Point Not applicable.

Boiling Point > 200°C

Solubility in Water Insoluble.

Specific Gravity 0.87 @ 25°C

pH Value Not available.

Vapour Pressure < 2 mmHg @ 25°C

Vapour Density (Air=1) Not applicable

Flash Point > 150°C (COC)

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Combustible.

Auto-Ignition Temperature Not available.

Flammable Limits - Lower Not available.

Flammable Limits - Upper Not available.

10. STABILITY AND REACTIVITY

Chemical Stability Stable under normal conditions.

Conditions to Avoid Heat, flames and other ignition sources.

Incompatible Materials Strong oxidisers.

Hazardous Decomposition Products May release toxic or irritating fumes on decomposition including carbon oxides.

Hazardous Polymerization Will not occur.

11. TOXICOLOGICAL INFORMATION

Toxicology Information Acute toxicity:
LD50 Oral (rat): > 2000 mg/kg

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 Skin contact may cause mechanical irritation resulting in redness and itching

Eye Eye contact may cause mechanical irritation.

Chronic Effects Not available.

12. ECOLOGICAL INFORMATION

Ecotoxicity No ecological data available for this product.

Persistence / Degradability Not available.

Mobility Not available.

Environ. Protection Avoid contaminating waterways.

13. DISPOSAL CONSIDERATIONS

Disposal Considerations Dispose of waste according to federal, EPA and state regulations.

14. TRANSPORT INFORMATION

Transport Information Not classified as Dangerous Goods, according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

Storage and Transport Not classified as dangerous.

15. REGULATORY INFORMATION

Poisons Schedule Not Scheduled

16. OTHER INFORMATION

Date of preparation or last revision of MSDS MSDS Created: August 2007

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