



# Material Safety Data Sheet

Issue Date: 26 June 2006  
Generic Name: **BIODIESEL** (Not hazardous according to criteria of Worksafe Australia)

## Company Details

**Smorgon Fuels Pty Ltd**  
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## 1. Identification

<b>General Product Name:</b>	Biodiesel
<b>Other Names:</b>	Methyl Soyate; Canola Methyl Ester (RME); Methyl Tallowate; Fatty Acid Methyl Ester (FAME).
<b>Product Description:</b>	Methyl Esters from lipid sources.
<b>Chemical Family:</b>	CAS No: 67784-80-9
<b>Dangerous Goods Class:</b>	N/A
<b>Secondary Risk:</b>	Combustible liquid
<b>Hazchem Code:</b>	A-T-U

## 2. Physical Description and Chemical Properties

<b>Appearance:</b>	Light to dark yellow liquid at room temperature
<b>Odour:</b>	Musty, mild animal fat or feed based odour
<b>Boiling Point, 760 mm Hg:</b>	>205 °C
<b>Melting Point:</b>	Variable, 20 to -20 °C
<b>Vapour Pressure, mm Hg:</b>	<5 @ 25 °C
<b>Vapour Density, Air=1:</b>	>1
<b>Evaporation Rate:</b>	Less than .005 (Butyl Acetate = 1)
<b>Specific Gravity:</b>	0.87 @ 25 °C (H2O = 1)
<b>Solubility in Water:</b>	Insoluble
<b>Typical Composition:</b>	Alkyl C14-C24 Methyl Esters



### 3. Hazards Identification

#### POTENTIAL HEALTH

<b>Swallowed:</b>	LD50>2000 mg/kg (rat)
<b>Eye:</b>	Not classified as an eye irritant
<b>Skin:</b>	Not classified as a skin irritant
<b>Inhaled:</b>	No known problems, unless heated to produce vapours or finely misted materials which may irritate the mucous membranes causing irritation, nausea and dizziness.

### 4. First Aid Procedures

<b>Swallowed:</b>	Rinse mouth with water, contact physician. If gastro-intestinal symptoms develop, contact physician. (Never give anything by mouth to an unconscious person).
<b>Eye:</b>	Irrigate eye for a minimum of 15 minutes with cool water, contact physician.
<b>Skin:</b>	Remove contaminated clothing, rinse affected area with water and soap.
<b>Inhaled:</b>	Remove victim from area of exposure, seek medical attention if symptoms persist.
<b>ADVICE TO DOCTORS:</b>	Treat symptomatically.

### 5. Precautions for Use

#### PERSONAL PROTECTION

<b>Respiratory Protection:</b>	If vapours or mists are generated, wear an approved respirator.
<b>Eye Protection:</b>	Wear chemical goggles to protect eyes from mist or splashing.
<b>Handling Protective:</b>	Wear PVC coated gloves to protect skin contact.
<b>Protective Clothing:</b>	No need anticipated.

<b>CONTROL MEASURES</b>	Handle in an area of adequate ventilation.
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## 6. Stability & Reactivity

<b>General:</b>	The product is stable and hazardous polymerization will not occur.
<b>Incompatible Materials/Conditions:</b>	Strong oxidizing agents.
<b>Hazardous Decomposition Products:</b>	Combustion produces carbon monoxide and carbon dioxide.
<b>Conditions to Avoid:</b>	Heat, sparks, open flame and other ignition sources.

## 7. Fire Fighting Measures

<b>Flash Point:</b>	> 150 °C (ASTM 93)
<b>Flammability Limits:</b>	None known
<b>Extinguishing Media:</b>	Dry chemical, foam or carbon dioxide, water spray (fog).
<b>Other Precautions:</b>	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.  Firefighters should use self-contained breathing apparatus to avoid exposure to smoke and vapour.

## 8. Accidental Release Measures Spill Clean-up Procedures

Remove source of ignition, contain spilled material. Stop leak if possible. Pick up small spills with absorbent media if necessary such as paper towels, "Oil Dry", sand or dirt. Recover large spills for salvage or disposal. Transfer to secure containers. Wash hard surfaces with safety solvent or detergent to remove remaining oil film. Greasy nature will result in a slippery surface.

## 9. Safe Handling and Storage Information

Store in closed containers between 20°C and 50°C. Do not puncture, drag or slide container. Drums are not a pressure vessel, never use pressure to empty.



## 10. Disposal Considerations

Waste may be disposed of by a licensed waste disposal company. Contaminated absorbent material may be disposed of in an approved landfill. Follow local, state and federal disposal regulations.

## 11. Transportation Information

<b>UN Hazard Class:</b>	N/A
<b>NMFC (National Motor Freight Classification):</b>	
<b>Proper Shipping Name:</b>	Fatty Acid Ester
<b>Identification Number:</b>	144920
<b>Shipping Classification:</b>	65

## 12. Other Information

The information provided is believed to be factual and represents the best information currently available to us. However, nothing contained in this information is to be taken as a warranty or representation for which Vilo Assets Management Pty Ltd bears legal responsibility. Users should make their own investigations to determine the suitability of the information for their particular purposes and intended use.

## 13. Contact

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