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Biodiesel MSDS Sheet

Section I: Product Identification

Common Name: Biodiesel
Chemical Name: Fatty Acid Methyl Esters
Formula: C14-C24 Methyl Esters
Chemical Family: CAS No: 67784-80-9

Section II: Ingredients and Hazardous Classification

Typical Composition: Alkyl C14-C24 Methyl Esters

OSHA PEL	ACGIH TLV	Percent:
None	None	99

This Product Contains no Hazardous Materials
SARA Title III Section 313: Not Listed

Section III: Physical/Chemical Characteristics

Boiling Point: >400 °F
Vapor Pressure (mm Hg): <5 mm Hg @ 72 °F
Specific Gravity (H₂O = 1) 0.86-0.88 @ 25 °C
Melting Point: -5 °C
Evaporation Rate: Less than .005 versus (Butyl Acetate = 1)
Solubility in Water: Insoluble
Appearance and Odor: Light to dark yellow clear liquid/ light musty odor

Section IV: Fire and Explosion Hazard Data

Flash Point (Method Used): >266 °F PMCC
Flammable Limits: N/A
HMIS Rating: HEALTH - 0, FIRE - 1, REACTIVITY - 0
Extinguishing Media: Use water spray, dry chemical, foam or carbon dioxide
Special Fire Fighting Procedures: Treat as oil fire
Unusual Fire and Explosion Hazards: Rags soaked with any solvent present a fire hazard and should be stored in an approved UL listed covered container

Section V: Reactivity Data

Reactivity: Stable

Conditions to Avoid: None Known

Incompatibility (Materials to Avoid): Strong Oxidizing Agents

Hazardous Decomposition or Byproducts: Carbon Monoxide, Carbon Dioxide

Hazardous Polymerization: Will Not Occur

Section VI: Health Hazard Data

Inhalation: No Known Problems

Skin Contact: Not Classified as a Skin Irritant or Corrosive Material

Eye Contact: Not Classified as Eye Irritants

Ingestion: LD50 > 2000 mg/kg (rat)

Carcinogenicity:

OSHA Regulated: No **NTP:** No **IARC Monographs:** No

Emergency and First Aid Procedures:

Ingestion: Rinse mouth with water, contact physician.

Eye: Rinse with water 15 min., contact physician.

Skin: Rinse with water and soap.

Section VII: Precautions for Safe Handling and Use

Steps to be taken in case material is released or spilled: Avoid uncontrolled releases. Contain spilled material. Transfer to secure containers. Use absorbent media if necessary.

Disposal: Dispose of according to Federal, state and/or local regulations.

Precautions To Be Taken in Handling and Storing: Avoid open flames.

Other Precautions: None

Section VIII: Control Measures

Respiratory Protection: None Required

Ventilation: Mechanical

Protective Gloves: Rubber

Eye Protection: Safety Glasses/Splash Goggles

Other Protective Clothing or Equipment: None Required

Work/Hygienic Practices: Use General Hygienic Work Procedures

Transportation

DOT Code: N/A

DOT Shipping Name: Fatty Acid Esters

Other Regulatory: Listed in TSCA Inventory

Date Prepared: 01/13/06

Signature of Preparer: Orion Polinsky (360) 815-6507

The information provided is believed to be accurate and represents the best information currently available to us.