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# Material Safety Data Sheet

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## Section 1 - Product Identification

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

## Section 2 - Ingredients and Hazardous Classification

**Typical Composition:**  
Alkyl C14-C24 Methyl Esters OSHA PEL ACGH/TLV Percent 99  
This product contains no hazardous materials.  
SARA Title III, Section 313: Not Listed

## Section 3 - Physical/Chemical Characteristics

**Boiling Point:** >400 F  
**Vapor Pressure (mm Hg):** <5 mm Hg @ 72 F  
**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 4 - Fire and Explosion Hazard Data

**Flash Point (method used):** 321 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 5 - Reactivity Data

**Reactivity:** Stable  
**Conditions to Avoid:** Non Known  
**Incompatibility (materials to avoid):** Strong oxidizing agents  
**Hazardous Decomposition or By-products:** Carbon monoxide, carbon dioxide

**Hazardous Polymerization: Will not occur**

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### **Section 6 - Health Hazard Data**

**Emergency First Aid Procedures:**

**Ingestion: Rinse mouth with water, contact physician**

**Eyes: Rinse with water 15 minutes, contact physician**

**Skin; Rinse with soap and water**

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### **Section 7 - 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 material 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**

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### **Section 8 - Control Measures**

**Respiratory Protection: None required**

**Ventilation: mechanical**

**Protective Gloves: Rubber**

**Eye Protection: Safety glasses / splash goggles**

**Other Protective Clothing or Equipment: None required**

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### **Section 9 - Transportation**

**DOT Code: N/A**

**DOT Shipping Name: Fatty acid esters**

**Other Regulatory: Listed in TSCA inventory**

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