

# Material Safety Data Sheet

## Section 1 - Product Identification

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Common Name	Biodiesel
Synonyms	Methyl Esters, Mono-alkyl Esters, Ethyl Esters
Chemical Name	Fatty Acid Methyl Ester
Formula	C14-C24 Methyl Esters
Chemical Family	CAS No. 67784-80-9 / 73891-99-3

## Section 2 - Ingredients and Hazardous Classification

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This product contains no hazardous materials.  
SARA Title III, Section 313: Not Listed

## Section 3 – Physical/Chemical Characteristics

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Boiling Point	>400° F
Vapor Pressure (mm Hg)	<5 mm Hg @ 72° F
Specific Gravity (H <sub>2</sub> O=1)	0.88
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

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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**

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Reactivity	Stable
Conditions to Avoid	None Known
Incompatibility (materials to avoid)	Strong oxidizing agents
Hazardous Decomposition or By-products	Carbon monoxide, carbon dioxide
Hazardous Polymerization	Will not occur

## **Section 6 – Health Hazard Data**

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<b>Emergency First Aid Procedures:</b>	
Ingestion	Rinse mouth with water, contact physician
Eyes	Rinse with water 15 minutes, contact physician
Skin	Rinse with soap and water

## **Section 7 – Precautions for Safe Handling and Use**

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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

## **Section 8 – Control Measures**

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Respiratory Protection	None required
Ventilation	mechanical
Protective Gloves	Rubber
Eye Protection	Safety glasses / splash goggles
Other Protective Clothing or Equipment	None required

## **Section 9 – Transportation**

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DOT Code	N/A
DOT Shipping Name	Fatty Acid Esters
Other Regulatory	Listed in TSCA inventory