



SAFETY DATA SHEET

B100 Biodiesel

1. Identification

Material Name: B100 - Biodiesel
Synonyms: B100
Product Use: Heating Oil/Motor Fuel
Supplier: RBF Port Neches LLC
6501 Hogaboom Rd.
Port Neches, TX 77651
(713) 386-2600
Emergency: CHEMTREC: 800-424-9300

2. Hazard Identification

Not classified.

GHS Classification:

Health	Environmental	Physical
Not classified	Not classified	Not classified

GHS Label:

Symbols: None required	
Hazard Statements None required	Precautionary Statements None required

3. Composition / Information on Ingredients

Substance	CAS #	EINECS	Wt.%
Fatty Acid, Methyl Ester (FAME)	68937-84-8	273-095-1	

See Section 8 for exposure limits

4. First Aid Measures

Inhalation: IF INHALED: Remove person to fresh air and ensure comfortable breathing. Get medical attention if irritation occurs.

Skin Contact: IF ON SKIN: Wash with plenty of soap and water, If skin irritation or rash occurs: Get medical advice. Take off contaminated clothing and wash it before reuse.

Eye Contact: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Get medical attention if irritation persists.

Ingestion: Get medical attention if you feel unwell.

Note to physician: Treat symptomatically.

5. Fire Fighting Measures

Suitable Extinguishing media: Water/foam, carbon dioxide, ABC fire extinguisher powder; water fog should be used to cool fire-exposed containers, structures and to protect personnel.

Unsuitable Extinguishing media: High pressure water jet.

Special exposure hazards: Easily oxidized; spontaneous combustion of organic materials soaked with unsaturated fatty acids may occur.

Combustion products: May produce toxic carbon monoxide, incomplete combustion products if burning. Burning emits acid, smoke.



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Protection of firefighters: Fire fighters should wear full protective clothing including self-contained breathing apparatus. Keep personnel removed and upwind of fire. Keep containers cool with water spray. Do not inhale combustion gases.

NFPA Hazard Classification: Health: 1 Flammability: 1 Instability: 0 Special: --
This information is intended solely for the use of individuals trained in the NFPA system.

6. Accidental Release Measures

Personal precautions: Use suitable protective equipment (see section 8) to prevent contamination of skin, eyes and personal clothing. Remove ignition sources and provide sufficient ventilation.

Methods for cleanup: Prevent spills from entering storm sewers or drains and contact with soil. Absorb on liquid-absorbing material (treated sawdust, diatomaceous earth, sand) and dispose in accordance with applicable regulations and product characteristics at time of disposal (see also Section 13).

7. Handling and Storage

Handling: When using do not eat, drink or smoke. Avoid repeated or prolonged contact with skin and breathing mist. Wash hands thoroughly after handling. Remove contaminated clothing and protective equipment before entering eating areas. Maintenance personnel: Wash down vessels and check the oxygen and hydrogen sulfide content of the vessel atmosphere before entry. Use the appropriate protective equipment.

Storage: Store in a well-ventilated place and separated from strong bases.

8. Exposure Controls / Personal Protection

Exposure Limits:

OSHA: For vegetable oil: 5 mg/m³ (Respirable), 15 mg/m³ (Total). ACGIH:

Engineering controls: Process enclosure or local exhaust ventilation is recommended during all processing operations.

Personal protection: General: General hygiene considerations are appropriate when used as recommended. The following precautions are recognized as common good industrial hygiene practice. Emergency conditions may require additional precautions. Follow precautions listed and recommendations for personal protective equipment. For vessel entry: Self contained or supplied air respirator with full facepiece if vessel oxygen level is limited or toxic gases are present.

Eye: Wear eye and face protection. Have eye-wash stations available where eye contact can occur.

Skin: Avoid skin contact. Wear neoprene or Viton gloves impervious to conditions of use. Additional protection may be necessary to prevent skin contact including use of apron, face shield, boots or full body protection. Wash hands thoroughly after handling. A safety shower should be located in the work area.

Respiratory: Do not breathe vapor. NIOSH approved respiratory protection should be worn if exposure limits are exceeded. A NIOSH approved respirator is generally acceptable for concentrations up to 10 times the PEL. Use a NIOSH approved air-supplied respirator for higher concentrations, unknown concentrations and for oxygen deficient atmospheres. Use only outdoors or in a well-ventilated area. Engineering controls are the preferred means for controlling chemical exposures. In case of inadequate ventilation wear respiratory protection. Respiratory protection may be needed for non-routine or emergency situations. Respiratory protection must be provided in accordance with OSHA 29 CFR 1910.134.

Thermal: Use heat resistant gloves when sampling hot materials.

9. Physical and Chemical Properties

Appearance:	Amber/pale yellow liquid.
Odor:	Slight
Odor threshold:	Not available
pH:	
Melting/ Freezing point/ range:	°C
Initial Boiling point/ range:	>200 °C
Flash Point:	162 °C
Evaporation rate:	<1



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Flammability (solid, gas):	Not combustible
Upper/ lower flammability or explosive limits:	Not available
Vapor pressure:	Not available
Vapor density:	Not available
Relative density:	0.88
Solubility in water:	Insoluble
Solubility in fats/ oils:	Soluble in alcohol and other organic solvents.
Partition Coefficient (n-octanol-water):	Not available
Autoignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity:	4.464 cSt

10. Stability and Reactivity

Chemical Stability:	Product is stable at ambient temperature and pressure.
Hazardous Reactions:	Will not occur
Conditions to Avoid:	Very high temperatures, open flame, incompatible materials.
Incompatible Materials:	Oxidizers.
Hazardous Decomposition Products	Product is stable at ambient temperature and pressure.

11. Toxicological Information

Acute toxicity:	Acute Toxicity Estimate: Rat oral LC50 >5000 mg/kg
Skin corrosion / irritation:	Not irritating.
Respiratory or skin sensitization:	Not a sensitizer.
Germ cell mutagenicity:	Not available.
Carcinogenicity:	Not a carcinogen
Reproductive toxicity:	Not available
STOT–single exposure:	Not available.
STOT-repeated exposure:	Not available.
Aspiration hazard:	Not available
Other Information:	Most likely exposure routes are skin and eye contact.

12. Ecological Information

Toxicity:	<i>D. magna</i> EC50 > 1000 mg/L/48h
Persistence and degradability:	Not available.
Bioaccumulative potential:	Not available
Mobility in soil:	Not available
Other adverse effects:	Not available

13. Disposal Considerations

Disposal methods: Dispose of contents/ container in accordance with applicable regulations through a licensed disposal facility. Inorganic absorbents should be land filled. Organic absorbents may be incinerated or land filled.

14. Transport Information

Not regulated for transportation.
Environmental Hazards: Not a DOT listed marine pollutant.



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15. Regulatory Information

No components are subject to Montreal Protocol, Stockholm Convention, or Rotterdam Convention.

Region specific regulations

SARA Title III:

Section 302/304. Extremely Hazardous Substances - None.

Section 311/312. (40CFR370) Hazardous Categories: Acute

Section 313: Contains the following SARA 313 Toxic Release Chemicals. None

The following product components are cited on the lists below: None

TSCA (Toxic Substance Control Act): Listed.

CA65: No components are known to the State of California to cause cancer or reproductive toxicity

16. Other Information

Disclaimer: This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, IS MADE CONCERNING THE INFORMATION HEREIN PROVIDED. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information nor do we offer warranty against patent infringement.

Revision History:

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By: Phillip LaBarbera

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