

# MATERIAL SAFETY DATA SHEET



Date Issued: 05/11/2006  
 MSDS No: B100  
 Date-Revised: 01/09/2009  
 Revision No: 1

## BIODIESEL

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** BIODIESEL

**PRODUCT CODE:** B100

#### MANUFACTURER

Distributed by Tarr, LLC

P.O. Box 12570

Portland OR 97212

**Service Number:** 503-288-5294

#### 24 HR. EMERGENCY TELEPHONE NUMBERS

**CHEMTREC (US Transportation):** (800) 424 - 9300

**CANUTEC (Canadian Transportation):** (613) 996 - 6666

### 2. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

**IMMEDIATE CONCERNS:** COMBUSTIBLE - Harmful or fatal if swallowed - Can enter lungs and cause damage. May cause eye and skin irritation or injury.

#### POTENTIAL HEALTH EFFECTS

**EYES:** Liquid is moderately irritating to the eyes. High vapor concentrations may also be irritating.

**SKIN:** Prolonged or repeated contact is not likely to cause significant skin irritation. Material is sometimes encountered at elevated temperatures. Thermal burns are possible.

**INGESTION:** Oral LD50 not established. Do not ingest.

**INHALATION:** Negligible unless heated to produce vapors. Vapors or finely misted materials may irritate the mucous membranes and cause irritation, dizziness, and nausea.

**MEDICAL CONDITIONS AGGRAVATED:** Pre-existing eye and skin disorders may be aggravated by exposure.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt. %	CAS
Methyl Soyate	100	067784-80-9

### 4. FIRST AID MEASURES

**EYES:** Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Get medical attention, if irritation occurs or persists.

**SKIN:** Remove contaminated clothing/shoes. Flush skin with water for at least 15 minutes. Follow by washing with soap and water. If irritation occurs, get medical attention. Do not reuse clothing until cleaned.

**INGESTION:** If swallowed, give one or two glasses of water to drink. Never give anything by mouth to an unconscious person. If gastro-intestinal symptoms develop, consult medical personnel.

**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, oxygen should be administered by qualified personnel. Seek immediate medical attention.

## 5. FIRE FIGHTING MEASURES

**FLASHPOINT AND METHOD:** > (300°F) TAG CC

**FLAMMABLE LIMITS:** 0 to 0

**Notes:** Not determined.

**AUTOIGNITION TEMPERATURE:** No data available.

**EXTINGUISHING MEDIA:** Use water fog, "alcohol" foam, dry chemical, or CO<sub>2</sub>.

**HAZARDOUS COMBUSTION PRODUCTS:** Carbon monoxide and unidentified organic compounds may be formed during combustion.

**EXPLOSION HAZARDS:** Oil soaked rags can cause spontaneous combustion if not handled properly. Before disposal, wash rags with soap and water and dry in well ventilated area.

**FIRE FIGHTING EQUIPMENT:** The use of SCBA is recommended for firefighters. Water spray may be used to cool containers exposed to heat or flame.

## 6. ACCIDENTAL RELEASE MEASURES

**GENERAL PROCEDURES:** Remove all sources of ignition and provide ventilation. Wear protective clothing as given in section 8. Dike area to contain spill. Take precautions as necessary to prevent contamination of ground and surface waters. Recover spilled material with absorbent, such as sawdust or vermiculite, and sweep into closed containers for disposal using non-sparking equipment. Do not flush to sewer. If area of spill is porous, remove as much contaminated earth and gravel, etc. as necessary and place in closed containers for proper disposal.

## 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** Keep containers tightly closed when not in use. Store between 50 F and 120 F. Keep away from oxidizing agents, excessive heat and ignition sources. Store and use in well ventilated areas. Do not store or use near heat, spark or flame and store out of sun. Do not puncture, drag or slide container. Drum is not a pressure vessel; never use pressure to empty. DO NOT cut or weld empty drums unless thoroughly cleaned.

**COMMENTS:** KEEP OUT OF REACH OF CHILDREN! Empty containers retain product residue (liquid and/or vapor) and can be dangerous. Do not pressurize, cut weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks static electricity, or other sources of ignition; they may explode and cause

injury or death.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**ENGINEERING CONTROLS:** No special ventilation requirements.

### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Safety glasses with side shields or chemical goggles are recommended for any type of industrial chemical handling.

**SKIN:** Wear resistant gloves such as PVC coated or consult your safety equipment supplier.

**RESPIRATORY:** If exposure may or does exceed occupational exposure limits (Sec. 8) use a NIOSH approved respirator to prevent overexposure. In accord with 29 CFR 1910.134 use either an atmosphere-suppling respirator or an air-purifying respirator for organic vapors.

**PROTECTIVE CLOTHING:** Use protective clothing which is chemical resistant to this material. Safety shoes and boots should also be chemical resistant.

**WORK HYGIENIC PRACTICES:** Use good personal hygiene when handling this product. Wash hands after use, before eating, drinking, smoking, or using the toilet.

**OTHER USE PRECAUTIONS:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid

**ODOR:** Bland odor.

**PHYSICAL STATE COMMENTS:** Liquid

**pH:** NA = Not Applicable

**PERCENT VOLATILE:** Nil

**VAPOR PRESSURE:** < 100 mmHg

**VAPOR DENSITY:** 100 (Air=1)

**Notes:** Heavier than air.

**BOILING POINT:** > 200°C 760 mm Hg

**FREEZING POINT:** NDA = no data available.

**MELTING POINT:** No data available.

**FLASHPOINT AND METHOD:** > (300°F) TAG CC

**SOLUBILITY IN WATER:** Negligible

**EVAPORATION RATE:** < 1 (n-Butyl Acetate=1)

**SPECIFIC GRAVITY:** 1.000 to 0.88

**Notes:** H20 = 1

## 10. STABILITY AND REACTIVITY

**STABILITY:** Stable under normal conditions.

**POLYMERIZATION:** Will not occur.

**CONDITIONS TO AVOID:** Avoid heat, sparks, flame and contact with strong oxidizing agents.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon monoxide and unidentified organic compounds may be formed during combustion.

**INCOMPATIBLE MATERIALS:** Strong oxidizers.

## 11. TOXICOLOGICAL INFORMATION

**GENERAL COMMENTS:** None identified.

## 12. ECOLOGICAL INFORMATION

**GENERAL COMMENTS:** Keep out of waterways.

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** The preferred options for disposal are to send to licensed reclaimers, or to permitted incinerators. Any disposal practice must be in compliance with federal, state, and local regulations. Do not dump into sewers, ground, or any body of water.

**RCRA/EPA WASTE INFORMATION:** Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

## 14. TRANSPORT INFORMATION

### DOT (DEPARTMENT OF TRANSPORTATION)

**PROPER SHIPPING NAME:** Fatty Acid Ester

## 15. REGULATORY INFORMATION

### UNITED STATES

#### SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

**311/312 HAZARD CATEGORIES:** To the best of our knowledge, this product is not reportable under SARA 311/312.

**313 REPORTABLE INGREDIENTS:** To the best of our knowledge, this product is not listed as a

toxic chemical.

### 302/304 EMERGENCY PLANNING

**EMERGENCY PLAN:** To the best of our knowledge, this product is not listed as an extremely hazardous substance.

### TSCA (TOXIC SUBSTANCE CONTROL ACT)

**TSCA REGULATORY:** All ingredients are on the TSCA inventory or are not required to be listed on the TSCA inventory.

**TSCA STATUS:** Listed.

**CALIFORNIA PROPOSITION 65:** The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986. This product contains no chemicals known to the state of California to cause cancer.

### 16. OTHER INFORMATION

**PREPARED BY:** Compliance Dept.

**REVISION SUMMARY:** Revision #: 1. This MSDS replaces the August 31, 2006 MSDS., , Any changes in information are as follows: In Section 1: Reason for Issue, Prepared ByIn Section 11: Inhalation LC50In Section 16: HMIS Ratings Notes, Additional MSDS Information

#### HMIS RATING

HEALTH:	0
FLAMMABILITY:	1
PHYSICAL HAZARD:	0
PERSONAL PROTECTION:	B

**HMIS RATINGS NOTES:** The HMIS rating involves data interpretations that may vary from company to company. They are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this material, all the information contained in the MSDS must be considered. Personal protection rating to be supplied by user depending on use conditions.

**MANUFACTURER DISCLAIMER:** The information contained herein is based on the data available to us and is believed to be accurate. However, Tarr Acquisition, LLC (Tarr, LLC) makes no warranty, expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. Tarr, LLC assumes no responsibility for injuries from the use of the product described herein.