



**ADM**

U. S. Department of Labor  
**MATERIAL SAFETY DATA SHEET**

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements

Identity (As Used on Label and List)

**BIODIESEL  
B-99 SOY BASED  
ADM PRODUCT CODE 006610**

**Section I – Manufacturer's Information**

Manufacturer's Name  
ARCHER DANIELS MIDLAND COMPANY

Address (Number, St, City, St & Zip)

4666 FARIES PARKWAY  
DECATUR, IL 62525

Emergency Telephone Number  
(800) 424-9300 Chemtrec (US)

Telephone Number for Inform:  
217/424-5200  
Date Revised

06/01/07; v2.0

**CHEMICAL PRODUCT**

Synonyms: Soybean derived fatty acid methyl esters, biodiesel  
Product Description: Methyl esters from soybean oil

**COMPOSITION/INFORMATION ON INGREDIENTS:**

Components:

	CAS Number	Volume
Soy Biodiesel	67784-80-9	GT 99 %
Methanol	67-56-1	LT 0.2 %
#2 Ultra Low Sulfur Diesel	68476-30-2	LT 1 %

Can contain small amounts of additives (<0.15%) which are not considered hazardous at the concentrations used.

**HAZARDS IDENTIFICATION**

Potential Health Effects:  
INHALATION:

Negligible unless heated to produce vapors. Vapors or finely misted materials may irritate the mucous membranes and cause irritation, dizziness, and nausea. Remove to fresh air. EYE CONTACT:

May cause irritation. Irrigate eye with water for a least 15 or 20 minutes. See medical attention if symptoms persist.

SKIN CONTACT:

Prolonged or repeated contact is not likely to cause significant skin irritation. Material is sometimes encountered at elevated temperatures; thermal burns are possible.

INGESTION:

No hazards anticipated from ingestion incidental to industrial exposure.

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## FIRST AID MEASURES

EYES: Irrigate eyes with a heavy stream of water for at least 15 or 20 minutes. SKIN: Wash exposed areas of the body with soap and water.

INHALATION: Remove from area of exposure, seek medical attention if symptoms persist.

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

## FIRE FIGHTING MEASURES

Flash Point (Method Used): 100.0° C min (ASTM 93)

Flammability Limits: None known

EXTINGUISHING MEDIA:

Dry chemical, foam, halon, CO<sub>2</sub>, water spray (fog). Water stream may splash the burning liquid and spread fire.

SPECIAL FIRE FIGHTING PROCEDURES:

Use water spray to cool drums exposed to fire.

## ACCIDENTAL RELEASE MEASURES SPILL CLEAN-UP PROCEDURES

Remove sources of ignition, contain spill to smallest area possible. Stop leak if possible. Pick up small spills with absorbent materials such as paper towels, "Oil Dry", sand or dirt. Recover large spills for salvage or disposal. Wash hard surfaces with safety solvent or detergent to remove remaining oil film. Greasy nature will result in a slippery surface.

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Ventilate area. Absorb with suitable absorbent material and place in closed container.

For large spills, dike area and pump into closed containers. Prevent material from entering waterways. This material will float on water. Wear protective equipment during cleanup. Spills may create slipping hazards. Oil soaked materials may spontaneously combust.

## HANDLING AND STORAGE

Store in closed containers 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, store out of sun. Do not puncture, drag, or slide this container. Drum is not a pressure vessel; never use pressure to empty.

## EXPOSURE CONTROL/PERSONAL PROTECTION

#### RESPIRATORY PROTECTION:

If vapors or mists are generated, wear a NIOSH approved organic vapor/mist respirator. PROTECTIVE CLOTHING:

Safety glasses, goggles, or face shield recommended to protect eyes from mists or splashing. PVC coated gloves recommended to prevent skin contact.

#### OTHER PROTECTIVE MEASURES:

Employees must practice good personal hygiene, washing exposed areas of skin several times daily and laundering contaminated clothing before re-use.

#### PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point, 760 mm Hg: >200°C

Specific Gravity (H<sub>2</sub>O+1): 0.88

Vapor Pressure, mm Hg: <2

Acetate=1: <1 Vapor Density, Air=1:>1

Appearance and Odor: pale yellow liquid, mild odor

Volatiles, % by Volume: <2

Solubility in H<sub>2</sub>O, % by Volume: insoluble

Evaporation Rate, Butyl

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#### STABILITY AND REACTIVITY

##### GENERAL:

This product is stable and hazardous polymerization will not occur. INCOMPATIBLE MATERIALS AND CONDITIONS

##### TO AVOID

Strong oxidizing agents

##### HAZARDOUS DECOMPOSITION PRODUCTS:

Combustion produces carbon monoxide, carbon dioxide along with thick smoke.

#### DISPOSAL CONSIDERATIONS

##### WASTE DISPOSAL:

Waste may be disposed of by a licensed waste disposal company. Contaminated absorbent material may be disposed of in an approved landfill. Follow local, state and federal disposal regulations.

#### TRANSPORT INFORMATION

UNHAZARD CLASS: N/A

NMFC (National Motor Freight Classification):

PROPER SHIPPING NAME: Fatty Acid Ester

IDENTIFICATION NUMBER:

144920 SHIPPING

CLASSIFICATION: 65

#### REGULATORY INFORMATION

##### OSHA STATUS:

This product is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 20

CPR 1910.1200. However, thermal processing and decomposition fumes from this product may be

hazardous as noted in

Sections 2 and 3. TSCA STATUS:

This product is listed on TSCA

CERCLA (Comprehensive Response Compensation and

Liability Act): NOT reportable.  
SARA TITLE III (Superfund Amendments and  
Reauthorization Act): Section 312 Extremely  
Hazardous Substances: None  
Section 311/312 Hazard Categories:  
Non-hazardous under  
Section 311/312 Section 313 Toxic  
Chemicals:  
None

RCRA STATUS:

If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste, (40 CFR 261.20-24)

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.

This information relates only 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 the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness. It is the user 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 information.