

Revision Date – 8-17-2004



Fuels & Industrials



## Material Safety Data Sheet

### 1. Product & Company Identification.

Product Identification: Glycerine  
product code: 031044  
Manufacturer: Archer Daniels Midland Company  
4666 Faries Parkway  
Decatur, IL 62526, USA  
Telephone Number: 217 424-5200

### 2. Composition/Information on Ingredients.

Product Name: Glycerine  
Product Code: 031044  
CAS NO: 56-81-5  
Description: Glycerol derived from vegetable oil

### 3. Hazard Identification. – May cause slight eye irritation.

Effects of over exposure: Contact with eyes may cause slight irritation. Contact with skin is unlikely to cause irritation. Based on oral toxicity testing, this product is not expected to cause harm by ingestion. If material is heated or sprayed, the airborne material may cause upper respiratory irritation.

HMIS/NFPA Rating: Health – 0 , Flammability – 1 , Reactivity – 0

### 4. First Aid Measures.

Skin: WASH EXPOSED SKIN WITH SOAP AND WATER.  
Eyes: FLUSH EYES WITH PLENTY OF WATER.  
Inhalation: MOVE VICTIM TO FRESH AIR.  
Ingestion: IF SWALLOWED, SEEK MEDICAL ATTENTION; DO NOT INDUCE VOMITING.

### 5. Fire Fighting.

Extinguishing Media: WATER, CARBON DIOXIDE, OR DRY CHEMICAL  
Special Hazards: Do not use direct water stream.  
Decomposition: None  
Protective Equipment: Wear appropriate breathing apparatus and protective clothing to minimize exposure to burning liquid.

### 6. Accidental Release Measures.

Personal Protection: Keep unnecessary personnel away from spill.  
Environmental Precautions: Keep out of sewers, drains, surface water and soil.  
Spillage: MATERIAL IS BIODEGRADABLE – CONTAIN SPILL AND COLLECT - USE ABSORBENT MATERIALS. FOLLOW APPLICABLE REGULATIONS FOR DISPOSAL.

Revision Date – 8-17-2004

#### **7. Handling and Storage.**

Handling: Use reasonable and prudent care and caution while handling material.

Storage: CAN BE STORED IN ALUMINUM, STAINLESS STEEL, FIBER GLASS OR RESIN LINED STEEL VESSELS. SHOULD BE STORED IN CLEAN, AIRTIGHT CONTAINERS TO PREVENT MOISTURE PICK-UP FROM AIR. Glycerine freezes at 64F. Material should be kept above 64F and below 130F.

#### **8. Exposure Controls/Personal Protection.**

Engineering Controls: Provide adequate ventilation to control airborne concentration levels below the exposure guidelines.

Personal Protection: Safety Glasses

#### **9. Physical and Chemical Properties.**

Boiling Point: 554F

Flash Point: >390 degrees Fahrenheit

Density: (Vapor) 3.1

pH: N/A

Color: Clear Liquid

Odor: Odorless

Specific Gravity: 1.26 (minimum)

Solubility: Miscible

#### **10. Stability and Reactivity.**

Stability: Stable

Conditions to avoid: Extreme high or low temperatures

Materials to avoid: OXIDIZING AGENTS, SUCH AS CHROMIUM TRIOXIDE, POTASSIUM CHLORATE, OR POTASSIUM PERMANGANATE MAY CAUSE AN EXPLOSION.

Hazardous Decomposition Products: Acrolein

Hazardous Polymerization: Will not occur.

#### **11. Toxicological Information.**

Skin: LD50 (Rabbit) >10,000 mg/kg

Ingestion: Oral LD50 (Rat) >17,000 mg/kg

Inhalation: LC50 (Rat) >4 mg/L

Mutagenicity: Ames Test - negative

#### **12. Ecological Information.**

This product is expected to have high biodegradation under aerobic conditions. This product is expected to be practically non-toxic to aquatic ecosystems and organisms.

#### **13. Disposal Considerations.**

MATERIAL IS BIODEGRADABLE. Do not dump into any sewers, on the ground or directly into any body of water. PRODUCT MAY BE TREATED VIA APPROVED SANITARY LANDFILL. FOLLOW FEDERAL, STATE, AND LOCAL REGULATIONS.

#### **14. Transport Information.**

U.S. DOT: Non-Regulated

International Maritime Organization (IMO)/International Maritime Dangerous Goods Code (IMDG):

Non-Regulated

International Air Transport Association (IATA): Non-Regulated

#### **15. Regulatory Information.**

United States

TSCA (Toxic Substance Control Act)

TSCA Status: All components are listed on the TSCA inventory.

Revision Date – 8-17-2004

**16. Other Information.**

The information in this data sheet does not constitute any contractual warrant as to product properties and is based on the current state of knowledge. For all chemical emergencies, call Chem Trek at 01 703 527-3887.