

# MATERIAL DATA SAFETY SHEET

BIG RIVERS AGRI SUPPLY



Updated: May 28, 2009  
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**Product Name: GLY-AD ULTRA™ DC - ams + defoamer + drift retardant**

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Gly-Ad Ultra DC**  
Manufactured for: **BIG RIVERS AGRI SUPPLY**  
2760 KELLER ROAD  
OWENSBORO, KY 42301

Emergency telephone number: (Chemtrec Information 24 hours) 1-800-424-9300  
For MSDS, Product Safety, or (Technical Support on Product) 1-888-786-4537  
Regulatory inquiries, call:

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS#</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>% By Wt.</u>
Ammonium Sulfate	7783-20-2	15 mg/m <sup>3</sup> (total)	5 mg/m <sup>3</sup> (respirable) TWA Nuisance dust	95.8
Polymeric Viscosity Modifier*	Proprietary	15 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	3.5
Antifoam	127-09-3	N/A	N/A	0.7

Limits (Total Dust) based on particulates not otherwise regulated.

\*Hazardous within the meaning of 29 CFR 1910.100.

## 3. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW:

HMIS Hazard Rating: Nonregulated

<b>1</b>	Health Hazard Rating
<b>1</b>	Flammability Rating
<b>0</b>	Reactivity Rating
<b>E</b>	Personal Protection

### Primary Routes of Exposure:

Eyes: **Yes**      Skin: **Yes**      Oral: **Yes**      Inhalation: **Yes**

### Signs and Symptoms of Exposure:

Eye contact: Ammonium sulfate is moderately irritating to the eyes.  
Skin contact: Ammonium sulfate is mildly irritating to the skin. May cause skin irritation on prolonged or repeated contact.  
Inhalation: Ammonium sulfate can irritate the membranes of the respiratory tract if inhaled. Dust can irritate the nose, throat and respiratory tract.  
Ingestion: Ammonium sulfate can irritate the membranes of the G.I. tract if swallowed. Gastric upset, ulceration of hemorrhage of the G.I. tract and diarrhea can occur. Systemic ammonia poisoning is possible if sufficient absorption occurs.

**Medical Conditions Aggravated By Overexposure:** Persons with a history of respiratory allergies may have those conditions aggravated by exposure to this product.

## 4. FIRST AID MEASURES

### FIRST AID MEASURES FOR ACCIDENTAL EXPOSURE

**Eye Exposure:** Immediately wash eyes with running water for 15 minutes. If irritation develops, consult a physician.

**Skin Exposure:** Wash affected areas with soap and water. Remove and launder contaminated clothing before reuse. If irritation develops, consult a physician.

**Inhalation:** If exposure to dust causes irritation or distress, remove to fresh air. Give oxygen or artificial respiration, if needed. Get medical attention.

**Ingestion:** Ingestion of a dry powder may result in the material swelling in the throat possibly causing blockage of the throat and choking. If swallowed, dilute with water and immediately induce vomiting. Never give fluids or induce vomiting if the person is unconscious or having convulsions. Get immediate medical attention.

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## 5. FIRE-FIGHTING MEASURES

### FIRE HAZARD DATA:

**Flash Point:** >200°F

**Extinguishing Media:** Use carbon dioxide or dry chemicals for small fires; alcohol foam, universal foam or water spray for large fires.

**Special Fire Fighting Procedures:** Wear self-contained breathing apparatus and full protective gear when entering confined areas.

**Additional Fire and Explosive Data:** Thermal degradation yields ammonia and sulfur trioxide. Like most dry chemicals, a potential dust explosion hazard exists if the dust concentration in the air is too high. Good housekeeping procedures and sound engineering practices are required to reduce this potential hazard.

## 6. ACCIDENTAL RELEASE MEASURES

Spills should be contained and placed in suitable containers for disposal. For wet material, dike spill and absorb with inert material and collect for disposal. Caution: Wet material is slippery. For dry powder, sweep or scoop up and collect for disposal. Avoid creating dust clouds and breathing dust. Spills or releases to the environment may be reportable to the National Response Center (800-424-8802) and to state and/or local agencies.

## 7. HANDLING AND STORAGE

**Precautions to be Taken in Handling:** Avoid contact with skin or eyes. Ground containers when transferring from one to another. Where dusty conditions exist, an explosive atmosphere could develop as with any organic material. Avoid creating dust clouds and breathing dust when handling.

**Precautions to be Taken in Storage:** Exercise standard good housekeeping practices. Store in a dry place. Keep container closed to avoid moisture pickup.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Eye Protection:** Chemical goggles.

**Skin Protection:** Nitrile gloves. Coveralls, apron, boots, as necessary, to prevent skin contact.

**Inhalation Protection:** Wear a properly fitted NIOSH/MSHA-approved respirator whenever exposure to dust is likely, unless levels are below applicable limits. Local exhaust is recommended to control exposure which may result from operations generating aerosols, vapors or dust.

**Other Protection:** A safety shower and eyewash facility should be available.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical Appearance & Odor:** White, crystalline solid with ammonia odor.

**Boiling Point:** N/A

**pH:** 5–7 (1.5%) aqueous solution 0.5.

**Solubility in Water:** Dispersible.

## 10. STABILITY AND REACTIVITY

**Chemical Stability:** Stable.

**Incompatibility:** Strong oxidizers, bases, chlorates, nitrates

**Hazardous Decomposition Products:** Thermal decomposition may produce ammonia, sulfur trioxide, carbon monoxide and carbon dioxide.

**Hazardous Polymerization:** Will not occur.

**Conditions to Avoid:** Fire and excessive heat.

## 11. TOXICOLOGICAL INFORMATION

**Carcinogen or Suspect Carcinogen Ingredients:** N/A

**Toxicological Test Data:** Rat, oral LD50: 3.0 g/kg

**Human, Lowest Reported Toxic Oral Dose:** 1.5 g/kg

## 12. ECOLOGICAL INFORMATION

No ecological data is available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Disposal Methods:** Do not discharge into waterways or sewer systems without proper authority. All label precautions must be observed when handling, storing and transporting empty containers. Incinerate or bury in a licensed facility according to federal, state, and local regulations.

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## 14. TRANSPORT INFORMATION

DOT Status (Highway and rail): N/D  
IATA Status (Air): N/D

## 15. REGULATORY INFORMATION

**SARA HAZARD:** TITLE III, SECTION 113: Contains no Section 313 listed substances subject to reporting.  
**AICS (Australia):** Components listed.  
**DSL (Canada):** Components listed.  
**EINECS (Europe):** Components listed.  
**TSCA:** Components listed.

**WHILE INFORMATION AND RECOMMENDATIONS SET FORTH HEREIN ARE BELIEVED TO BE ACCURATE AS OF THE DATE HEREON, BIG RIVERS AGRI SUPPLY MAKES NO WARRANTY WITH RESPECT THERETO AND DISCLAIMS ALL LIABILITY FROM RELIANCE THEREON.**

N/R—Not Rated  
N/D—Not Determined  
N/A—Not Applicable  
N/E—Not Established