

## MATERIAL SAFETY DATA SHEET

### CORNBELT PREMIUM AMS

Van Diest Supply Company  
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FOR CHEMICAL EMERGENCY  
SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT  
CALL CHEMTREC - DAY OR NIGHT  
1-800-424-9300

### PRODUCT IDENTIFICATION

**Common Name:** Cornbelt Premium AMS  
**Chemical Family:** Inorganic salt  
**EPA Reg. No.:** None

### INGREDIENTS

Ammonium Sulfate

100%

### TLV (ACGIH)

5 mg/m<sup>3</sup>

### FIRE PROTECTION INFORMATION

**Flash Point (and Method):** Not determined

**Auto Ignition Temperature:** Not determined

**Flammable Limits in Air % By Volume:** Not determined

**Extinguishing Media:** Water fog, foam, CO<sub>2</sub>, or dry chemical

**Special Fire Fighting Equipment and Hazards:** Use of self contained breathing apparatus and turn out gear.

**Unusual Fire and Explosion Hazards:** Hydrogen cyanide and ammonia may be released if product is exposed to fire.

### HEALTH HAZARDS DATA

**Acute Overexposure Effects:** Ammonium sulfate is moderately irritating to the eyes and mildly irritating to the skin. Systemic ammonia poisoning has been thought to occur after parenteral administration of large doses of some ammonium salts. However, this is not a relevant route of exposure.

**Chronic Overexposure Effects:** There are no other known effects associated with this material.

**Routes of Entry:** For solids and liquids, eye contact, skin contact, ingestion, and inhalation. For gases, inhalation and eye contact. For liquefied gases, skin contact may be a route of entry.

### FIRST AID

**Inhalation:** Move to fresh air. Aid in breathing, if necessary; seek medical assistance.

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

**Eye Contact:** Immediately flush eyes with water for at least 15 minutes. Consult a physician.

**Ingestion:** Dilute with water and immediately induce vomiting. Never give fluids or induce vomiting if the victim is unconscious or having convulsions. Get immediate medical attention.

**Notes to Physician:** None

**Aggravated Medical Conditions:** No data is available which addresses medical conditions that are generally recognized as being aggravated by exposure to this product.

### **PHYSICAL DATA**

**Bulk Density:** 65 lbs/ft<sup>3</sup>

**pH:** 5.0-5.2

**Vapor Density (Air=1):** N/A

**Solubility in Water:** 77%

**Decomposition Temperature:** 235 °C

**% Volatile by Volume:** N/A

**Appearance and Odor:** Crystalline solid with no odor

**Molecular Weight:** 132.1

### **PRECAUTIONARY MEASURES**

**Storage:** Do not store where product can contaminate waterways or food supplies. Keep out of the reach of children.

**Ventilation:** Local exhaust to control dust to acceptable exposure limit of 5 mg/m<sup>3</sup>

**Protective Clothing:** Gloves, coveralls, apron and/or boots, as necessary to prevent contact with skin.

**Eye Protection:** Chemical goggles or side shield safety glasses

**Respiratory Protection:** NIOSH/MSHA approved respirator, if necessary.

### **REACTIVITY DATA**

**Stability:** Stable

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

**Hazardous Decomposition Products:** Ammonia and sulfur trioxide at temperatures of 282°C or higher.

**Corrosive Properties:** Not corrosive

**Oxidizer Properties:** Not an oxidizer

**Hazardous Polymerization:** Does Not Occur

### **SPILL, LEAK & DISPOSAL INFORMATION**

**Spill Procedures:** Contain spill. Place in containers for disposal.

**Disposal Method:** Not listed as a hazardous waste. Dispose of in accordance with federal, state and local regulations

**HMIS RATINGS**

(4=Extreme; 3=High; 2=Moderate; 1=Slight; 0=Insignificant)

Health - 1

Fire - 0

Reactivity - 0

**DOT INFORMATION**

**Proper Shipping Name:** Adjuvant, Spreader or Sticker

**Hazard Class:** Not regulated

**REGULATORY INFORMATION**

**311/312 Physical & Health Hazard Categories:** Immediate (Acute)

**313 Reportable Ingredients:** Sulfuric Acid Diammonium Solution (CAS 7783-20-2) <34%

**Reportable Quantity:** Not applicable

**TSCA:** Listed on inventory

**ADDITIONAL INFORMATION**

Prepared By: Van Diest Supply Co.

Date Prepared: 1-22-92

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