



Material Safety Data Sheet

Emergency Telephone Numbers: GAC Chemical: 207-548-2525 Date Issued: February 2006
GAC Chemical: 877-254-0081
Chemtrec: 800-424-9300

I. Product Identification

Product Name: Ammonium Sulfate
Alternate Names: Ammonium Sulphate; Diammonium Sulfate;
Sulfuric Acid Diammonium Salt
Chemical Description: Inorganic Salt
Cas No.: 7783-20-2

II. Composition/Information on Ingredients

Ammonium sulfate (NH₄)₂SO₄ 99 – 100 %

III. Hazards Identification/Health Hazard Data

Eyes: Contact with dust can cause eye irritation.
Skin: May be irritating to skin with prolonged contact.
Inhalation: May cause irritation to nose throat and respiratory tract.
Ingestion: May cause sore throat, abdominal pain, vomiting, or diarrhea.
Chronic Health Effects: No known chronic health effects.

IV. First Aid

Eye Contact: Immediately flush with water for at least 15 minutes. If irritation persists, see a physician.
Skin Contact: Wash with soap and large quantity of water.
Inhalation: Remove to fresh air. Get medical attention for irritation or discomfort.
Ingestion: If conscious, give plenty of water and induce vomiting. Get medical attention.

V. Fire and Explosion Hazard Data

Flash Point: Non flammable.
Extinguishing Media: Use water spray or water flooding.
Special Fire Fighting Procedures: In fire conditions, wear full protective clothing and NIOSH approved self-contained breathing apparatus..
Unusual Fire and Explosion Hazards: Melts and decomposes @ 455°F with emission of ammonia and sulfur trioxide. Explosion may occur if mixed with a strong oxidizer

VI. Accidental Release Measures/Waste Disposal

Spills: Collect spilled material and store in a dry area until disposal.
Disposal: Follow Federal, State and local regulations for disposal.

VII. Storage and Handling

Store material in a cool, dry area, away from any strong oxidizers.

VIII. Applicable Control Measures

Engineering Controls: Use adequate ventilation to assure dust levels below nuisance dust limit.
Personal Protective Equipment

Eye Protection: Wear safety glasses or safety chemical goggles. Contact lenses should not be worn

Skin Protection: Wear gloves and further skin protection if skin is sensitive or if a skin reaction occurs.

Respiratory Protection: Wear a dust mask if dust levels exceed nuisance dust limit of:
10mg/m³ total dust: 5 mg/m³ respirable dust.

IX. Physical and Chemical Properties

Appearance :	White crystalline solid	Boiling Point:	N/A
Odor:	None	Melting Point	N/A
Vapor Pressure:	N/A	pH	5.2 (5 % solution)
Volatile by Weight:	0		

X. Stability and Reactivity Data

Chemical Stability: Stable at normal temp.

Hazardous Polymerization: Will not occur.

Incompatibility: Ammonium nitrate and potassium or sodium potassium alloy; potassium chlorate; potassium nitrite; strong oxidizers.

Hazardous Decomposition Products: Melts and decomposes at 455°F with emission of ammonia and sulfur trioxide.

XI. Toxicological Information

LD₅₀ (oral-rat): 3000mg/kg

XII. Ecological Information

TLm Daphnia magna: 423 mg/l 24 hr.

XIII. Disposal Considerations

Not a RCRA hazardous waste. Follow Federal, State and local regulations for disposal.

XIV. Transportation Information

US DOT Hazard class: Not regulated
US DOT ID Number: Not applicable

XV. Regulatory information

TSCA Inventory Status: Listed on inventory. Exempt from Update Rule
SARA Title III/ CERCLA: Not regulated
SARA 311: Immediate

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