



Material Safety Data Sheet - Ammonium Sulfate

Emergency Telephone Number: CHEMTREC (800) 424-9300

Date Issued: April 08 2010

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 $(\text{NH}_4)_2\text{SO}_4$ 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 5.0 – 6.0 (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

This information is for the specific material described only and may not be valid if the material is used in combination with any other materials or in any process. The user is responsible to determine the completeness of the information and suitability for the user's own particular use. To the knowledge and belief of SoapGoods, the information is accurate and reliable as of the date indicated, but Soapgoods makes no express or implied warranty of merchantability for the material or for the information. SoapGoods makes no express or implied warranty of fitness for a purpose for the material or for the information.