



SDS #: 67

Revision Date: November 25, 2015

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## Safety Data Sheet (SDS)

### SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### Ammonium Sulfate

**Signal Word**  
**WARNING**

Flinn Scientific, Inc. P.O. Box 219, Batavia, IL 60510 (800) 452-1261

Chemtrec Emergency Phone Number: (800) 424-9418

Pictograms

### SECTION 2 — HAZARDS IDENTIFICATION

Hazard class: Acute toxicity, oral (Category 5). May be harmful if swallowed (H303).

### SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

| Component Name                          | CAS Number | Formula                                         | Formula Weight | Concentration |
|-----------------------------------------|------------|-------------------------------------------------|----------------|---------------|
| Ammonium sulfate                        | 7783-20-2  | (NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub> | 132.15         |               |
| Synonyms: Diammonium sulfate; diazanium |            |                                                 |                |               |

### SECTION 4 — FIRST AID MEASURES

Call a POISON CENTER or physician if you feel unwell.

**If inhaled:** Remove victim to fresh air and keep at rest in a position comfortable for breathing (P304+P340).**If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing (P305+P351+P338).**If on skin:** Rinse cautiously with water for several minutes (P351).**If swallowed:** Rinse mouth. Give large quantities of water for dilution.

### SECTION 5 — FIRE FIGHTING MEASURES

Nonflammable, noncombustible solid.  
When heated to decomposition, may emit toxic fumes.  
In case of fire: Use a tri-class dry chemical fire extinguisher.

**NFPA Code**  
None established

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**SECTION 6 — ACCIDENTAL RELEASE MEASURES**

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Sweep up the spill, place in a sealed bag or container, and dispose. Ventilate area and wash spill site after material pickup is complete. See Sections 8 and 13 for further information.

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**SECTION 7 — HANDLING AND STORAGE**

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Flinn Suggested Chemical Storage Pattern: Inorganic #2. Store with acetates, halides, sulfates, sulfites, thiosulfates and phosphates.  
Store in a cool, dry place.

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**SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION**

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Wear protective gloves, protective clothing, and eye protection (P280). Wash hands thoroughly after handling (P264).

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**SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

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|                                                         |                                    |
|---------------------------------------------------------|------------------------------------|
| White crystals. Odorless.                               | Melting point: 280 °C (decomposes) |
| Soluble: Water (44 %). Insoluble in alcohol or acetone. | Specific gravity: 1.77             |

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**SECTION 10 — STABILITY AND REACTIVITY**

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May explode if mixed with oxidizers. Contact with caustic liberates ammonia.  
Avoid contact with strong oxidizers and bases. Incompatible with (K+NH<sub>4</sub>NO<sub>3</sub>), KNO<sub>2</sub>, and (NaK+NH<sub>4</sub>NO<sub>3</sub>).  
Shelf life: Indefinite, if stored properly.

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**SECTION 11 — TOXICOLOGICAL INFORMATION**

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|                          |                                       |
|--------------------------|---------------------------------------|
| Acute effects: Irritant. | ORL-RAT LD <sub>50</sub> : 2840 mg/kg |
| Chronic effects: N.A.    | IHL-RAT LC <sub>50</sub> : N.A.       |
| Target organs: N.A.      | SKN-RBT LD <sub>50</sub> : N.A.       |

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**SECTION 12 — ECOLOGICAL INFORMATION**

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Data not yet available.

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**SECTION 13 — DISPOSAL CONSIDERATIONS**

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Please review all federal, state and local regulations that may apply before proceeding.  
Flinn Suggested Disposal Method #26a is one option.

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**SECTION 14 — TRANSPORT INFORMATION**

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Shipping name: Not regulated. Hazard class: N/A. UN number: N/A.

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**SECTION 15 — REGULATORY INFORMATION**

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TSCA-listed, EINECS-listed (231-984-1).

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**SECTION 16 — OTHER INFORMATION**

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CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THIS PRODUCT(S).

N.A. = Not available, not all health aspects of this substance have been fully investigated.

N/A = Not applicable

**Consult your copy of the Flinn Science Catalog/Reference Manual for additional information about laboratory chemicals.**

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