SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Ammonium Chloride

Flinn Scientific, Inc. P.O. Box 219, Batavia, IL 60510 (800) 452-1261
CHEMTREC Emergency Phone Number: (800) 424-9300

Signal Word WARNING

SECTION 2 — HAZARDS IDENTIFICATION

Hazard class: Acute toxicity, oral (Category 4). Harmful if swallowed (H302). Do not eat or drink when using this product (P270).

Hazard class: Serious eye damage or irritation (Category 2A). Causes serious eye irritation (H319).

SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Component Name</th>
<th>CAS Number</th>
<th>Formula</th>
<th>Weight Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ammonium chloride</td>
<td>12125-02-9</td>
<td>NH₄Cl</td>
<td>53.49</td>
</tr>
</tbody>
</table>

Synonym: Ammonium muriate

SECTION 4 — FIRST AID MEASURES

Call a POISON CENTER or physician if you feel unwell (P301+P312).
If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
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: Wash with plenty of water.
If swallowed: Rinse mouth. Call a POISON CENTER or physician if you feel unwell.

SECTION 5 — FIRE FIGHTING MEASURES

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

NFPA Code None

NFPA Code established

SECTION 6 — ACCIDENTAL RELEASE MEASURES

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.
**SECTION 7 — HANDLING AND STORAGE**


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

Wear protective gloves, protective clothing, and eye protection. Wash hands thoroughly after handling. Exposure guidelines: (as fume) TLV 10 mg/m³, STEL 20 mg/m³ (ACGIH).

**SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

- White, hygroscopic crystal. Odorless.
- Soluble: Water and glycerin. Slightly in alcohol.

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling point</td>
<td>520 °C</td>
</tr>
<tr>
<td>Melting point</td>
<td>337.8 °C</td>
</tr>
<tr>
<td>Specific gravity</td>
<td>1.53</td>
</tr>
</tbody>
</table>

**SECTION 10 — STABILITY AND REACTIVITY**

Avoid contact with strong acids and bases. Shelf life: Fair to poor, somewhat hygroscopic. See Section 7 for further information.

**SECTION 11 — TOXICOLOGICAL INFORMATION**

- Acute effects: Irritant.
- Chronic effects: N.A.
- Target organs: N.A.

<table>
<thead>
<tr>
<th>Animal</th>
<th>LD₅₀ (mg/kg)</th>
<th>LC₅₀ (mg/m³)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ORL-RAT</td>
<td>1650</td>
<td>N.A.</td>
</tr>
<tr>
<td>IHL-RAT</td>
<td>N.A.</td>
<td>N.A.</td>
</tr>
<tr>
<td>SKN-RBT</td>
<td>N.A.</td>
<td>N.A.</td>
</tr>
</tbody>
</table>

**SECTION 12 — ECOLOGICAL INFORMATION**

Data not yet available.

**SECTION 13 — DISPOSAL CONSIDERATIONS**

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

**SECTION 14 — TRANSPORT INFORMATION**

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

N/A = Not applicable

**SECTION 15 — REGULATORY INFORMATION**

TSCA-listed, EINECS-listed (235-186-4).

**SECTION 16 — OTHER INFORMATION**

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

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