



# Ammonium Carbonate Safety Data Sheet (SDS)

**SDS #:** 51

**Revision Date:** June 29, 2015

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## SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

### Ammonium Carbonate

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

Chemtrec Emergency Phone Number: (800) 424-9393

#### **Signal Word**

#### **WARNING**

## SECTION 2 — HAZARDS IDENTIFICATION

Hazard class: Skin and serious eye damage, corrosion or irritation (Category 2, 2B). Causes skin and eye irritation (H315+H320).

Hazard class: Specific target organ toxicity, single exposure; respiratory tract irritation (Category 3). May cause respiratory irritation (H335). Avoid breathing dust or fumes (P261).

Pictograms



### SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

| Component Name     | CAS Number | Formula                      | Formula Weight | Concentration |
|--------------------|------------|------------------------------|----------------|---------------|
| Ammonium carbonate | 506-87-6   | $(\text{NH}_4)_2\text{CO}_3$ | 96.09          |               |

### SECTION 4 — FIRST AID MEASURES

Call a POISON CENTER or physician if you feel unwell (P312).

**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 eye irritation persists eyes:** Get medical advice or attention (P337+P313). **If on skin:** Wash with plenty of water (P302+P352). **If skin irritation occurs:** Get medical

advice or attention (P332+P313). **If swallowed:** Rinse mouth. Call a POISON CENTER or physician if you feel unwell.

### SECTION 5 — FIRE FIGHTING MEASURES

Nonflammable, noncombustible solid.

Decomposes to NH<sub>3</sub> and CO<sub>2</sub> at temperatures above 58 °C

When heated to decomposition, may emit toxic fumes.

In case of fire: Use a tri-class dry chemical fire extinguisher.

### **NFPA Code**

None 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**

Flinn Suggested Chemical Storage Pattern: Inorganic #4. Store with hydroxides, oxides, silicates and carbonates.

Store in a cool, dry place. Keep container tightly closed (P233). Use only in a hood or well-ventilated area (P271).

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

Wear protective gloves, protective clothing, and eye protection (P280). Wash hands thoroughly after handling (P264). Use only in a hood or well-ventilated area (P271).

### **SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

White, crystalline plates or lump. Strong ammonia odor. Melting point: 58 °C (decomposes)  
Specific gravity: 1.5

Soluble: Water. Decomposes in hot water.

### **SECTION 10 — STABILITY AND REACTIVITY**

Avoid contact with strong acids. Decomposes in hot water.

Shelf life: Indefinite, if stored properly.

### **SECTION 11 — TOXICOLOGICAL INFORMATION**

Acute effects: Irritant.

ORL-RAT LD<sub>50</sub>: N.A.

Chronic effects: N.A.

IHL-RAT LC<sub>50</sub>: N.A.

Target organs: N.A.

SKN-RBT LD<sub>50</sub>: N.A.

### **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.

### SECTION 15 — REGULATORY INFORMATION

TSCA-listed, EINECS-listed (208-058-0).

### SECTION 16 — OTHER INFORMATION

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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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