

AERCHEM INC.
320 North Walnut
Bloomington, IN 47408

Tel: 812.334.9996

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Emergency: 800.424.9300

Product Name: Ammonium Carbonate
Chemical Formula: $(\text{NH}_4)_2\text{CO}_3$
CAS No.: 506-87-6

Hazardous Ingredients:

NH_2CO_2

Physical Data:

Physical Form:	Crystalline Plates
Melting point (range) Approx.:	Decomposes
Boiling point:	N/A
Specific Gravity (Water=1):	800-850 kg/m^3
pH (depends on quality):	9.0 (100g/L H_2O)
Solubility in water:	Decomposes in hot water
Color:	Colorless
Odor:	Ammonia
Vapor pressure:	760@60°C
Tap density :	N/A

Fire and Explosion Information:

Flash point:	Non-combustible
(Auto) Ignition temperature:	N/A
Extinguishing media to be recommended:	Water fog or dry chemical
Conditions to Avoid:	Avoid exposure to heat and excessive temperatures. Corrosive to nickel, copper and other alloys.
Special fire and explosions precautions:	Firefighters should be equipped with self-contained breathing apparatus and turnout gear.
Fire and explosions hazards:	Decomposes to ammonia and carbon dioxide at temperatures above 136°F

Reactivity Data: **Stable** _____ **Unstable** X

Hazardous Decomposition: NH_3CO_2
Hazardous Polymerization: Does not occur
Incompatibilities: Sodium nitrite and nitrates

Handling and Storage Information:

Ammonium Carbonate should never be stored in proximity to Sodium Nitrite. Ammonium Carbonate loses its free flowing properties within a few days and tends to cake if not stored properly. This does not affect the chemical composition or usability. Ammonium Carbonate must be kept in tightly closed containers in a cool, dry place. If it is exposed to air, gaseous Ammonia, and Carbon Dioxide are liberated with an attendant loss in weight.

Leak/Spill Information:

Spills should be contained, solidified, and placed in suitable containers for disposal in a RCRA licensed facility. This material is RCRA hazardous due to its properties.

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Disposal Information:

Incinerate in a RCRA licensed facility. Do not discharge into waterways or sewers systems without proper authority. Empty containers with less than 1 inch of residue may be landfilled at a licensed facility. Recommend crushing or other means to prevent unauthorized reuse. Other containers must be disposed of in a RCRA licensed facility.

Health Hazard Information:

A. Exposure/Health Effects:

Contact with the eyes and skin may result in a slight irritation. Inhalation of the dusts may result in respiratory irritation. Ingestion of the solid may result in gastric disturbances.

B. Primary route of entry:

Inhalation; Eyes; Skin

C. First Aid:

Inhalation: Move to fresh air, Aid in breathing, if necessary, and get immediate medical attention

Ingestion: If swallowed, dilute with water and immediately induce vomiting. Never give fluids or induce vomiting if the victim is unconscious or having convulsions. Get immediate attention.

Skin Contact: Wash affected areas with soap and water. Remove and launder clothing before reuse. If irritation

develops, consult a physician.

Eye Contact: Immediately wash eyes with running water for 15 minutes. If irritation develops, consult a physician.

D. Toxicity Data:

None available

Occupational Control Measures:

Avoid exposure to heat and excessive temperatures.

Airborne Exposure Limited:

If dusts are generated, wear an approved dust respirator

Ventilation Systems:

Use local exhaust to control dusting.

Skin Protection:

Chemical goggles

Special Protection:

N/A
