



Section 1 – Company Information

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Toll Free US & Canada: (800)255-3924  
All other Origins: (813) 248-0585  
Collect Calls Accepted

Section 2 – Product Identification/ Information on Ingredients

PRODUCT NAME Ammonium Chloride  
CAS NUMBER 12125-02-9  
FORMULA  $\text{NH}_4\text{Cl}$

PRODUCT	CAS NUMBER	% BY WEIGHT
Ammonium Chloride	12125-02-9	100

Section 3 – Hazards Identification

**Emergency Overview**

**OSHA Hazards:** Harmful by ingestion. Irritant.

**HMIS Classification**

**Health Hazard:** 2

**Flammability:** 0

**Physical hazards:** 0

**NFPA Rating**

**Health Hazard:** 2

**Fire:** 0

**Reactivity Hazard:** 0

**Potential Health Effects**

**Inhalation:** May be harmful if inhaled. May cause respiratory tract irritation.

**Skin:** May be harmful if absorbed through skin. May cause skin irritation.

**Eyes:** May cause eye irritation.

**Ingestion:** Harmful if swallowed.

Section 4 – First Aid Measures

**General advice:** Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

**If inhaled:** If breathed in, move person into fresh air. If not breathing give artificial respiration. Consult a physician.

**In case of skin contact:** Wash off with soap and plenty of water. Consult a physician.

**In case of eye contact:** Rinse thoroughly with plenty of water for at least 15 minutes and consult



a physician.

**If swallowed:** Never give anything by mouth to an unconscious person. Rinse mouth with water.

Consult a physician.

#### Section 5 – Fire Fighting Measures

##### **Flammable properties**

**Flash point:** not applicable

**Ignition temperature:** no data available

**Suitable extinguishing media:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Special protective equipment for fire-fighters:** Wear self contained breathing apparatus for fire fighting if necessary.

**Further information:** The product itself does not burn.

#### Section 6 – Accidental Release Measures

**Personal precautions:** Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation.

**Environmental precautions:** Do not let product enter drains.

**Methods for cleaning up:** Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.

#### Section 7 – Handling & Storage

**Handling:** Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.

**Storage:** Keep container tightly closed in a dry and well-ventilated place. Hygroscopic.

#### Section 8 – Exposure Controls & Personal Protection

##### **Personal protective equipment**

**Respiratory protection:** Where risk assessment shows air-purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Hand protection:** Handle with gloves.

**Eye protection:** Safety glasses

**Skin and body protection:** Choose body protection according to the amount and concentration of the dangerous substance at the work place.

**Hygiene measures:** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.



## Section 9 – Physical & Chemical Properties

### Appearance

**Form:** solid

### Safety data

**pH:** 4.5 - 5.5 at 50.00000 g/l at 20.0 °C (68.0 °F)

**Melting point:** 340.0 °C (644.0 °F)

**Boiling point:** no data available

**Flash point:** not applicable

**Ignition temperature:** no data available

**Lower explosion limit:** no data available

**Upper explosion limit:** no data available

**Vapor pressure:** 1.3 hPa (1.0 mmHg) at 160.4 °C (320.7 °F)

**Density:** 1.00 g/cm<sup>3</sup>

**Water solubility:** soluble

## Section 10 – Stability & Reactivity Data

**Storage stability:** Stable under recommended storage conditions.

**Conditions to avoid:** Exposure to moisture may affect product quality.

**Materials to avoid:** Strong acids, Strong bases, Strong oxidizing agents

**Hazardous decomposition products:** Hazardous decomposition products formed under fire conditions. - Ammonia, Hydrogen chloride gas

## Section 11 – Toxicological Information

### Acute toxicity

LD50 Oral - rat - 1,650 mg/kg

### Irritation and corrosion

Skin - rabbit - No skin irritation

Eyes - rabbit - Eye irritation

**Sensitisation:** Will not occur

### Chronic exposure

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Signs and Symptoms of Exposure:** To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.



**Potential Health Effects**

**Inhalation:** May be harmful if inhaled. May cause respiratory tract irritation.

**Skin:** May be harmful if absorbed through skin. May cause skin irritation.

**Eyes:** May cause eye irritation.

**Ingestion:** Harmful if swallowed.

Section 12 – Ecological Information

**Elimination information (persistence and degradability):** no data available

**Ecotoxicity effects**

**Toxicity to fish**

LC50 - Cyprinus carpio (Carp) - 209.00 mg/l - 96 h

LC50 - Oncorhynchus mykiss (rainbow trout) - 3.98 mg/l - 96 h

NOEC - Oncorhynchus mykiss (rainbow trout) - 57 mg/l - 96 h

**Toxicity to daphnia and other aquatic invertebrates.**

LC50 - Daphnia magna (Water flea) - 161 mg/l - 48 h

Growth inhibition NOEC - Daphnia magna (Water flea) - 0.1 mg/l - 216 h

Section 13 – Disposal Consideration

**Product:** Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

**Contaminated packaging:** Dispose of as unused product.

Section 14 – Transportation Data

**DOT (US):**

UN-Number: 3077 Class: 9 Packing group: III

Proper shipping name: Environmentally hazardous substances, solid, n.o.s. (Ammonium chloride)

**IMDG:** Not dangerous goods

**IATA:** Not dangerous goods

Section 15 – Regulatory Information

**OSHA Hazards:** Harmful by ingestion. Irritant.

**TSCA Status:** On TSCA Inventory

**DSL Status:** All components of this product are on the Canadian DSL list.

**SARA 302 Components**

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313 Components:**

Ammonium chloride



CAS-No. 12125-02-9

**SARA 311/312 Hazards**

Acute Health Hazard

**Massachusetts Right To Know Components**

Ammonium chloride

CAS-No. 12125-02-9

**Pennsylvania Right To Know Components**

Ammonium chloride

CAS-No. 12125-02-9

**New Jersey Right To Know Components**

Ammonium chloride

CAS-No. 12125-02-9

**California Prop. 65 Components:** This product does not contain any chemicals known to State of California to cause cancer, birth, or any other reproductive defects.

Section 16 – Other Information

Disclaimer

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

