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## SAFETY DATA SHEET

### 1) Product and Company Information

Product Name:	<b>Ammonium Chloride</b>
Synonyms:	Sal Ammoniac; Ammonium Muriate
Product Description:	Inorganic Mildly Acidic Salt
Material Use:	Livestock Feedstuff; General Chemical Reagent
Supplier:	Global Agri-trade Corp. 320 Golden Shore, Suite 350 Long Beach, CA 90802 Tel. No.: (562)320-8550 Fax No.: (562)256-7551
Emergency Contact:	1-562-320-8550 Executive Director

### 2) Hazard Identification

Proposed Classification:

This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication).

This SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

Human Health Hazards:

a) Inhalation: Can cause irritation to



b) Skin Contact:

respiratory tract. Symptoms may include coughing, shortness of breath.

c) Eye Contact:

Irritant to skin. Redness, itching and pain.

d) Ingestion:

Can cause irritation redness and pain.

Can cause irritation to digestive tract. Symptoms may include nausea, vomiting and diarrhea.

Physical / Chemical Hazards:

White, odorless, powder.

### 3) Composition/ Information on Ingredients

Chemical Description:

CAS #: 12125-02-9

Ammonium Chloride

### 4) First Aid Measures

Inhalation:

Remove from exposure. If not breathing give artificial respiration. Give oxygen if difficulty breathing. Get medical attention.

Skin contact:

Wash thoroughly with soap and water and flush with water for 15 minutes. Remove contaminated clothing and shoes. Consult doctor if irritation occurs.

Ingestion:

Induce vomiting immediately as directed by medical personnel. Never give



Eye contact:

anything by mouth to an unconscious person. Obtain medical attention.

Immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Obtain medical attention.

## 5) Fire Fighting Measures

Suitable Firefighting Equipment:

Not considered as a fire hazard. Use foam or dry powder if needed.

Personal Precautions:

Ammonia and hydrogen chloride can be released if product involved in a fire. Wear a NIOSH approved breathing apparatus and full protective clothing.

Environmental Protection:

Large quantities of extinguishing water containing dissolved product should be contained. Dispose of in accordance with local regulations.

## 6) Accidental Release Measures

Personal Precautions:

Wear appropriate protective clothing. Avoid inhalation of dust.



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Environmental Protection:

Do not discharge into drains, water courses or onto the ground.

Leak/Spill:

Sweep up or vacuum up spillage and collect in suitable container for disposal.  
For large spillages collect dust or particulates using a vacuum with a HEPA filter. Reduce airborne dust and prevent scattering by moistening with water. Clean contaminated surface thoroughly in accordance with all applicable regulations.

## 7) Handling and Storage

Handling:

Keep formation of airborne dusts to a minimum. Avoid contact with eyes, skin and clothing. Do not taste or swallow. Use only with adequate ventilation. Wash thoroughly after handling.

Storage:

Keep container tightly closed. Store in a cool, dry, well ventilated area. Segregate from alkalis, nitrates and oxidants.



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## 8) Exposure Control/Personal Protection

Personal Protection:

Do not breath dust; wear dust mask and/or goggles if necessary. Wear appropriate protective clothing and gloves.

Occupational Exposure:

No limit has been established. If airborne concentrations exceed recommended exposure levels (where applicable), an approved high-efficiency particulate respirator must be worn.

## 9) Physical and Chemical Properties

Appearance:

White, crystalline, powder.

Odor:

Almost odorless.

Boiling Point °C at 760 mm Hg:

Not available.

Melting Point, °C:

338

Flash Point, °C (Pensky Martens closed cup):

Not available

Auto-Ignition Temperature, °C:

Not available.

Solubility in Water, g/100 ml at 20°C:

372 g/l

Density, g/ml at 25°C:

1.53 g/cubic cm

Relative Molecular Mass:

Not available.



pH Value: 4.7 (200 g/l in water)

## 10) Stability and Reactivity

Chemical Stability: Stable under normal temperatures. The substance is hygroscopic and will absorb water from the air.

Conditions to Avoid: Excessive heat, moisture.

Decomposition Products: Ammonia, Hydrogen Chloride.

Incompatible Materials: Strong oxidizing agents, strong acids, potassium, nitrates, copper, halogens.

## 11) Toxicology Information

Acute Oral Rat: LD50 1650 mg/kg

May be harmful if swallowed. Irritating to eyes, respiratory system and skin. May cause shortness of breath, or skin redness and pain. No evidence of carcinogenic effects. No evidence of mutagenic, neurologic or teratogenic effects.

## 12) Ecological Information

EC50 American Lobster (*Homarus americanus*): 0.237 mg/l 48 hours

Toxic to aquatic life.

Expected to be readily biodegradable.



### **13) Disposal Consideration**

Dispose of contents/container in accordance with local, regional and federal regulations. Incinerate the material under controlled conditions in an approved incinerator. Rinsed packaging may be offered to recycling facilities.

### **14) Transport Information**

Not regulated as dangerous goods, no transport regulations applicable.

### **15) Regulatory Information**

Ammonium Chloride is a hazardous chemical, as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

All components are on the US EPA TSCA Inventory List.

Toxic Chemical:	1.0% Listed
Food and Drug Administration:	GRAS food additive.
Clean Water Act:	Hazardous substance.
Pennsylvania PTK – Hazardous Substances:	Listed

### **16) Other Information**

Date of Last Revision: December 1, 2015

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resulting from improper use or handling of our products from incompatible product combination or from the failure to follow instructions, warnings and advisories in the products label or Safety Data Sheet.