

# SAFETY DATA SHEET

## AMMONIUM CHLORIDE

### SECTION 1: CHEMICAL AND COMPANY IDENTIFICATION

BioShop Canada Inc.  
5480 Mainway  
Burlington, Ontario L7L 6A4  
1-800-234-1179  
Emergency Telephone No.: 905-466-3832  
Chemical Name: Ammonium chloride  
Synonym: N/A  
Catalog Number: AMC303

Molecular weight: 53.49 g/mol

	CAS #	EC-No.	%
Ammonium chloride	12125-02-9	235-186-4	100

### SECTION 4 FIRST AID MEASURES

**Eyes:** Flush eyes with plenty of water . Consult a physician.  
**Skin:** In case of contact, flush area immediately with water. Get medical aid if irritation persists.  
**Inhalation:** Remove victim to fresh air. If breathing becomes difficult, give oxygen. Consult a physician..  
**Ingestion:** Wash mouth with water. Do NOT induce vomiting. Consult a physician if you feel unwell.

### SECTION 5 FIRE FIGHTING MEASURES

**Flammability:** not flammable  
**Flash Point:** 113C-closed cup  
**Autoignition Temperature:** not determined  
**Extinguishing Media:** Use water spray, foam, dry chemical or carbon dioxide.  
**Explosion Data:** Not available

### SECTION 6 ACCIDENTAL RELEASE MEASURES

**Personal precautions:**  
Ventilate the area. Wear appropriate protective equipment. Avoid contact with skin, eyes and clothing.  
**Methods for containment and clean up:**  
If safe to do so, contain further leakage. Sweep and place in a closed container. Dispose according to local regulations.

### SECTION 7 HANDLING AND STORAGE

**Handling:** Do not get in eyes, on skin, or clothing. Wash thoroughly after handling. Wash contaminated clothing before reuse.  
**Storage Conditions:** Room temperature. Keep cool and dry.

### SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure limits:**  
Use adequate ventilation. AVOID DUST GENERATION.  
**Exposure limits:**  
ACGIH: 10mg/m3 TWA (fume)  
NIOSH: 10mg/m3 (fume)  
Wear appropriate protective equipment to prevent eye and skin exposure. Wear appropriate respirator to prevent lung irritation.  
..  
**Personal protective Equipment:** Wear appropriate safety glasses and protective gloves/clothing. Use approved NIOSH respirator.  
**Engineering Measures:** eye wash stations, ventilation systems, showers  
**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety practice. wash hands before and after handling product.

### SECTION 2 HAZARDS IDENTIFICATION

#### GHS Classification

#### CLASSIFICATION:

Acute toxicity: Category 4  
Eye irritant, Category 2A

#### PICTOGRAM:



**SIGNAL WORD: WARNING**

#### HAZARD STATEMENTS:

H302- Harmful if swallowed  
H319- Causes serious eye irritation

#### PRECAUTIONARY STATEMENTS:

P264 Wash skin thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P280 Wear eye protection/ face protection.  
P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337 + P313 If eye irritation persists: Get medical advice/ attention.  
P501 Dispose of contents/ container to an approved waste disposal plant..

#### Potential Health Effects:

Inhalation: May be harmful if inhaled.  
Skin: May be harmful if absorbed through skin  
Eyes: Causes eye irritation  
Ingestion: Harmful if swallowed

### SECTION 3 COMPOSITION/ INGREDIENTS

Molecular formula: H4ClN

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## AMMONIUM CHLORIDE

### SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** White powder  
**Odor:** no information found  
**Odor Threshold:** : no information found  
**Melting Point:** 328C  
**Boiling Point:** no information found  
**Specific Gravity:** no information found  
**Vapor Density:** no information found  
**Vapor pressure:** no information found  
**Water Solubility:** soluble in water (10-50g/100ml)  
**pH:** 4.5-5.5 @ 50g/L  
**Flammability:** No  
**Flash point:** no information found  
**Ignition temperature:** no information found  
**Autoignition temperature:** no information found  
**Lower explosion limit:** no information found  
**Upper explosion limit:** no information found

### SECTION 10 STABILITY AND REACTIVITY:

**Stability:** Stable at normal room temperature and pressure  
**Conditions to avoid:** dust generation  
**Incompatibility**  
Possibility of hazardous reactions Violent reactions possible with: alkali hydroxides acids Risk of ignition or formation of inflammable gases or vapours with: halogen-halogen compounds alkalines alkaline substances Risk of explosion with: nitrates chlorates Heavy metal salts nitrites Hydrogen cyanide (hydrocyanic acid) Chlorine silver salt Strong oxidizing agents.  
**Hazardous Decomposition Products:** no information available  
**Hazardous Polymerization:** Has not been reported

### SECTION 11 TOXICOLOGICAL PROPERTIES

#### Exposure Limits:

LD50/LC50:  
Oral LD50-rat-1650mg/kg  
Causes eye irritation in rabbits

**Epidemiology:** No data available  
**Teratogenicity:** No data available  
**Reproductive Effects:** No data available  
**Neurotoxicity:** No data available  
**Mutagenicity:** No data available  
**Carcinogenicity:** not listed by ACGIH, IARC, NTP, or CA

### SECTION 12 ECOLOGICAL INFORMATION

**Toxicity:**  
Toxicity to fish: LC50 Carp-209 mg/l-96hr.  
Toxicity to daphnia: LC50 161mg/l - 48hr

### SECTION 13 DISPOSAL CONSIDERATION

**Waste Disposal:** Care should be exercised when burning in chemical incinerator as this substance is flammable.. Observe all Federal, provincial and local regulations.

### SECTION 14 TRANSPORT INFORMATION

#### Shipping Information:

**DOT (US):**  
Not regulated  
**IMDG**  
Not regulated  
**IATA:**  
Not regulated

### SECTION 15 REGULATORY INFORMATION

**Canada:**  
**WHMIS:**  
D2B, Toxic material Causing Other Toxic Effects  
Serious eye irritant

### SECTION 16 ADDITIONAL INFORMATION

Prepared By: M.Kierdelewicz  
Date Prepared: Jan 1/2025  
Phone: (800) 234-1179

The information provided on this Material Safety Data Sheet is furnished in good faith and without warranty of any kind. The above information is believed to be correct and should be used only as a guide. BioShop Canada Inc. shall not be held liable for any damage resulting from the handling or from the contact with the above product.  
Observe all federal, provincial and state laws concerning health, safety and pollution.