

# SAFETY DATA SHEET

## AMMONIUM SULFATE

### SECTION 1: CHEMICAL AND COMPANY IDENTIFICATION

**BioShop Canada Inc.**  
5480 Mainway  
Burlington, Ontario L7L 6A4  
1-800-234-1179  
Emergency Telephone No.: 1-905-466-3832  
Chemical Name: Ammonium sulfate  
Catalog Number: AMP301/AMP302/AMP303

### SECTION 2 HAZARDS IDENTIFICATION

**GHS Classification:**  
Not hazardous according to GHS

#### Potential Health Effects

**Target Organs:** Eyes, skin, respiratory system  
**Eyes:** May cause eye irritation.  
**Skin:** May cause skin irritation.  
**Inhalation:** May cause irritation. May cause respiratory difficulty. The toxicological properties of this substance have not been fully investigated.  
**Ingestion:** May be harmful if swallowed. May cause irritation of the digestive tract. The toxicological properties of this substance have not been fully investigated.

**CHRONIC HEALTH HAZARDS:** may cause dermatitis with prolonged exposure

### SECTION 32 COMPOSITION/ INGREDIENTS

	CAS #	%
Ammonium sulfate	7783-20-2	99+

**Molecular Formula:** (NH<sub>4</sub>)<sub>2</sub>SO<sub>4</sub>  
**Molecular Weight:** 132.14

### SECTION 4 FIRST AID MEASURES

**Eyes:** Flush eyes with plenty of water for at least 15 minutes. Get medical aid.  
**Skin:** Flush area immediately with plenty of soap and water while removing contaminated clothing and shoes.  
**Inhalation:** Remove victim to fresh air. If not breathing give artificial respiration. If breathing is difficult give oxygen. GET MEDICAL ATTENTION.  
**Ingestion:** Wash mouth with water. Do not induce vomiting. GET MEDICAL ATTENTION.

### SECTION 5 FIRE FIGHTING MEASURES

**Flammable:** No  
**Flash Point:** N/A  
**Autoignition Temperature:** N/A  
**Extinguishing Media:** Use water spray, foam, dry chemical or carbon dioxide.  
**Explosion Data:** Not available

### SECTION 6 ACCIDENTAL RELEASE MEASURES

Ventilate the area. Wear appropriate protective equipment. Sweep and place in a closed container.  
**Leak and Spill Procedures:** Ventilate the area. Wear appropriate protective equipment. Cover with dry lime or soda. Sweep and place in a closed container

### SECTION 7 HANDLING AND STORAGE

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

### SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits: none listed  
Use adequate ventilation. AVOID DUST GENERATION.  
Wear appropriate protective equipment to prevent eye and skin exposure. Wear appropriate respirator to prevent lung irritation.  
**Personal Protection:** Lab coat, safety goggles, rubber gloves.  
**Ventilation:** Local exhaust systems. Use fume hood  
**Respiratory protection:** use OSHA/MSHA approved respirator.

### SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Solid  
**Appearance and Odor:** white crystals. No odor  
**Melting Point:** 350°C  
**Boiling Point:** N/A  
**Specific Gravity:** 1.77  
**Vapor Density:** N/A  
**Solubility:** Soluble in water (43%)  
**pH:** 5.5 (0.1M)

### SECTION 10 STABILITY AND REACTIVITY:

**Stability:** Stable under normal temperatures and pressure  
**Conditions to avoid:** generation of dust.  
**Incompatibility:** Strong oxidizing agents  
**Hazardous Decomposition Products:** Nitrogen oxides, carbon monoxide, ammonia, carbon dioxide,

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**Hazardous Polymerization:** Will not occur

Observe all federal, provincial and state laws concerning health, safety and pollution.

### SECTION 11 TOXICOLOGICAL PROPERTIES

**Exposure Limits:**

LD50 / LC50:

Oral, mouse: LD50=640mg/kg

Oral, rat:LD50=2840mg/kg

**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 OSHA

### SECTION 12 ECOLOGICAL INFORMATION

No information found.

### SECTION 13 DISPOSAL CONSIDERATION

**Waste Disposal:** Burn in chemical incinerator. Observe all Federal, provincial and local regulations.

### SECTION 14 TRANSPORT INFORMATION

**Shipping Information:**

**TDG Canada:** not regulated

**IMDG:** not regulated

**IATA:** not regulated

### SECTION 15 REGULATORY INFORMATION

**US:** TSCA: listed

**Canada:** WHMIS: not controlled

Listed on Canada's DSL list

### SECTION 16 ADDITIONAL INFORMATION

**Hazard Rating System**

NFPA	Health	Fire	Reactivity
	1	0	0

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Date Prepared: Jan 1/2025

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