

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 causes 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: (NH₄)₂SO₄

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,

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ammonia, carbon dioxide,
Hazardous Polymerization: Will not occur

from the contact with the above product.
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

Prepared By: M.Kierdelewicz (President)

Date Prepared: Jan 1/2025

Phone: (800) 234-1179

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