

SAFETY DATA SHEET

AMMONIUM CARBONATE

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 carbonate
Catalog Number: AMC555

SECTION 2 HAZARDS IDENTIFICATION

GHS Classification:
Acute toxicity, Oral (Category 4)

Pictogram:



Signal word: WARNING

Hazard statement
H302 Harmful if swallowed.

Precautionary statement
P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.
P501 Dispose of contents/ container to an approved waste disposal plant.

Potential Health Effects

Target Organs: Eyes, skin, respiratory tract.
Eyes: Causes irritation
Skin: Causes irritation.
Inhalation: Causes irritation to respiratory tract. Ammonia vapors may cause pulmonary edema.
Ingestion: May cause irritation to GI tract. May cause nausea, vomiting and diarrhea.
CHRONIC HEALTH HAZARDS: No information found.

SECTION 3 COMPOSITION/ INGREDIENTS

Ammonium carbonate : **CAS #** 506-87-6 **%** >99%

Molecular Formula: CH₈N₂O₃
Molecular Weight: 96.07

SECTION 4 FIRST AID MEASURES

Eyes: Flush eyes with water , GET MEDICAL ATTENTION
Skin: In case of contact, flush area immediately with water. GET MEDICAL ATTENTION.
Inhalation: Remove victim to fresh air. If not breathing give artificial respiration. If breathing is difficult give oxygen and 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

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Physical State: Crystalline solid
Appearance and Odor: white, strong ammonia odor
Melting Point: 58° C
Decomposition Temp.: 58° C
Boiling Point: N/A
Specific Gravity: 1.62
Vapor Density: N/A
Water Solubility: yes
pH: 9.3 (10% soln.)

SECTION 16	ADDITIONAL INFORMATION
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Prepared By: M.Kierdelewicz (President)
Date Prepared: Jan 1/2025
Phone: (800) 234-1179

SECTION 10	STABILITY AND REACTIVITY:
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Stability: Stable at normal room temperature and pressure. Unstable in air. Decomposes to ammonium bicarbonate with release of ammonia and carbon dioxide.

Conditions to avoid: dust generation and excess heat, exposure to air. Ammonia solutions are corrosive to copper, aluminum.

Incompatibility: strong acids and bases, iron salts

Hazardous Decomposition Products: nitrogen oxides, carbon dioxide, ammonia

Hazardous Polymerization: Has not been reported

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.

SECTION 11	TOXICOLOGICAL PROPERTIES
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Exposure Limits:

Oral , rat: LD50= >681 mg/kg

Inhalation, mouse: LC50=4230 ppm/1H

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
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No information found.

SECTION 13	DISPOSAL CONSIDERATION
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Waste Disposal: Burn in chemical incinerator. Observe all Federal, provincial and local regulations.

SECTION 14	TRANSPORT INFORMATION
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Shipping Information: Not regulated

SECTION 15	REGULATORY INFORMATION
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US : TSCA: listed

European/International: N/A

Canada: WHMIS: D2B