

# SAFETY DATA SHEET

## AMMONIUM BICARBONATE

### 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 bicarbonate  
**Catalog Number:** AMC107

### SECTION 3 HAZARDS IDENTIFICATION

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

#### Potential Health Effects

**Target Organs:** Eyes, skin, respiratory system  
**Eyes:** Causes eye irritation.  
**Skin:** causes skin irritation. May be harmful if absorbed through skin  
**Inhalation:** May cause irritation. May be harmful if inhaled. May cause shortness of breath and coughing.  
**Ingestion:** May cause irritation of the digestive tract. May be harmful if swallowed  
**CHRONIC HEALTH HAZARDS:** no information found

### SECTION 3 COMPOSITION/ INGREDIENTS

	CAS #	%
<b>Ammonium Bicarbonate</b>	<b>1066-33-7</b>	<b>99+</b>

**Molecular Formula:** NH<sub>4</sub>HCO<sub>3</sub>  
**Molecular Weight:** 79.04

### 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. 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. In the event of a fire always wear self-contained breathing apparatus, NIOSH/MSHA approved or equivalent.  
**Leak and Spill Procedures:** Ventilate the area. Wear appropriate protective equipment. Vacuum or sweep and place in a closed container. Avoid dust generation.

### 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. Minimize dust generation.  
**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. Weak ammonia odor  
**Melting Point:** 140°C  
**Boiling Point:** N/A  
**Specific Gravity:** 1.586  
**Vapor Density:** N/A  
**Solubility:** yes 17% in water  
**pH:** 7.7 (0.1N)

### SECTION 10 STABILITY AND REACTIVITY:

**Stability:** Stable at normal room temperature and pressure  
**Conditions to avoid:** dust generation  
**Incompatibility:** Oxidizing agents, strong acids, nitrates, nitrites.  
**Hazardous Decomposition Products:** ammonia and hydrochloric fumes.  
**Hazardous Polymerization:** Has not been reported

### SECTION 11 TOXICOLOGICAL PROPERTIES

**Exposure Limits:**  
**Not available**

**Epidemiology:** No data available

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**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:** Not regulated

### SECTION 15 REGULATORY INFORMATION

**US :** TSCA: listed  
**European/International:** Harmful if swallowed, irritating to eyes  
**Canada:** WHMIS: D2B

### SECTION 16 ADDITIONAL INFORMATION

#### Hazard Rating System

NFPA	Health	Fire	Reactivity
	2	0	0

Prepared By: M.Kierdelewicz (President)  
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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.