

SAFETY DATA SHEET

AMMONIUM PHOSPHATE DIBASIC

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 phosphate dibasic
Catalog Number: APD001/APD111

SECTION 3 HAZARDS IDENTIFICATION

GHS Classification:
Not hazardous according to GHS

Potential Health Effects

Target Organs: None
Eyes: may cause irritation
Skin: may cause irritation.
Inhalation: may cause irritation to respiratory tract.
Ingestion: may cause irritation to GI tract. May cause nausea, vomiting and diarrhea
CHRONIC HEALTH HAZARDS: non known

SECTION 3 COMPOSITION/ INGREDIENTS

	CAS #	%
Ammonium phosphate dibasic	7783-28-1	100%

Molecular Formula: (NH₄)₂HPO₄
Molecular Weight: 132.05

SECTION 4 FIRST AID MEASURES

Eyes: Flush eyes with plenty of water for at least 15 minutes.
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.

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: Crystalline solid
Appearance and Odor: white, odorless
Melting Point: 235° C
Boiling Point: N/A
Specific Gravity: 1.62
Vapor Density: N/A
Water Solubility: yes
pH: 8.0 (5% soln)

SECTION 10 STABILITY AND REACTIVITY:

Stability: Stable at normal room temperature and pressure.

Conditions to avoid: dust generation, excess heat.

Incompatibility: strong acids and bases, strong oxidizing and reducing agents.

Hazardous Decomposition Products: oxides of phosphorus, nitrogen oxides and ammonia.

Hazardous Polymerization: Has not been reported

SECTION 11 TOXICOLOGICAL PROPERTIES

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Exposure Limits:

LD50 / LC50:

Not available

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: Not regulated

SECTION 15 REGULATORY INFORMATION

US : TSCA: listed

European/International: N/A

Canada: WHMIS: **not controlled**

SECTION 16 ADDITIONAL INFORMATION

Hazard Rating System

NFPA	Health	Fire	Reactivity
	1	0	0

Prepared By: M.Kierdelewicz (President)

Date Prepared: Jan 1/2025

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