

# SAFETY DATA SHEET

## CALCIUM PHOSPHATE DIBASIC, DIHYDRATE

### 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:** Calcium Phosphate Dibasic Dihydrate  
**Catalog Number:** CPD801

### SECTION 2 HAZARDS IDENTIFICATION

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

**Potential Health Effects:.**

**Target Organs:** Eyes.  
**Eyes:** May cause irritation and potential corneal damage  
**Skin:** May causes irritation. Particularly if skin is moist.  
**Inhalation:** May cause irritation.  
**Ingestion:** May cause severe irritation to GI tract. May be harmful if swallowed.  
**CHRONIC HEALTH HAZARDS:** No information found.

### SECTION 3 COMPOSITION/ INGREDIENTS

	CAS #	%
Calcium Phosphate Dihydrate	7757-93-9	99%

**Molecular Formula:** CaHPO<sub>4</sub>.2H<sub>2</sub>O  
**Molecular Weight:** 172.09

### SECTION 4 FIRST AID MEASURES

**Eyes:** Flush eyes with water for 15 minutes . Get medical aid immediately.  
**Skin:** In case of contact, flush area immediately with water. Get medical aid.  
**Inhalation:** Remove victim to fresh air. Get medical aid immediately.  
**Ingestion:** Wash mouth with water. DO NOT INDUCE VOMITING. Get medical aid immediately.

### 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.

### 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:  
ACGIH, NIOSH, none listed  
OSHA: 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.

### SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** powder  
**Appearance and Odor:** white, odorless  
**Melting Point:** 662° C  
**Boiling Point:** N/A  
**Specific Gravity:** 2.3  
**Vapor Density:** N/A  
**Water Solubility:** 0.075%  
**pH:** 6-7.4 (25% soln.)

### SECTION 10 STABILITY AND REACTIVITY:

**Stability:** Stable at normal room temperature and pressure  
**Conditions to avoid:** dust generation  
**Incompatibility :** Metals . Strong oxidizing agnets.  
**Hazardous Decomposition Products:** Oxides of phosphorus.  
**Hazardous Polymerization:** will not occur.

### SECTION 11 TOXICOLOGICAL PROPERTIES

#### Exposure Limits:

LD50: N/A

**Epidemiology:** No data available  
**Teratogenicity:** No data available  
**Reproductive Effects:** No data available  
**Neurotoxicity:** No data available  
**Mutagenicity:** No data available

ACGIH, NIOSH, OSHA-NOT LISTED

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### SECTION 12 ECOLOGICAL INFORMATION

No data available

### SECTION 13 DISPOSAL CONSIDERATION

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

### SECTION 14 TRANSPORT INFORMATION

**Shipping Information:**

**US:**

Not regulated

**Canada:**

Not regulated

### SECTION 15 REGULATORY INFORMATION

**US :** TSCA: listed

**European/International:**

**Canada:** WHMIS, not controlled

### SECTION 16 ADDITIONAL INFORMATION

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Date Prepared : Jan 1/2025

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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.