

# MATERIAL SAFETY DATA SHEET

## POTASSIUM PHOSPHATE DIBASIC

### I IDENTIFICATION:

**BioShop Canada Inc.**  
**5480 Mainway**  
**Burlington, Ontario L7L 6A4**  
**1-800-234-1179**

**Emergency Telephone No.:** 1-905-466-3832  
**Chemical Name:** Potassium Phosphate Dibasic  
**Catalog Number:** PPD303/PPD555  
**Molecular Formula:** K<sub>2</sub>HPO<sub>4</sub>  
**Molecular Weight:** 174.175  
**WHMIS Classification:** not controlled  
**TSCA Status:** Not listed on the TSCA Inventory

### II COMPOSITION/ INGREDIENTS:

	CAS #	%
Potassium Phosphate	7758-11-4	100%
Monobasic		

**Low health risk**

### III HAZARDS/TOXICOLOGICAL PROPERTIES:

To the best of our knowledge, this product is non hazardous

**Routes of entry:** Eyes, skin, inhalation, Ingestion.

**Target Organs:** Non known  
**Eyes:** May cause irritation..  
**Skin:** May cause irritation.  
**Inhalation:** May cause irritation to respiratory tract.  
**Ingestion:** may cause irritation to GI tract  
**CHRONIC HEALTH HAZARDS:** none known.  
**Exposure Limits:**  
N/A

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

### IV FIRST AID MEASURES:

**Eyes:** Flush eyes with water .  
**Skin:** In case of contact, flush area immediately with water.  
**Inhalation:** Remove victim to fresh air. If not breathing give artificial respiration. If breathing is difficult give oxygen and  
**Ingestion:** Wash mouth with water. Do not induce vomiting.

### V FIRE AND EXPLOSION HAZARDS:

**Flammable:** No  
**Flash Point:** N/A  
**Extinguishing Media:** Use water spray, foam, dry chemical or carbon dioxide.  
**Explosion Data:** Not available

### VI REACTIVITY:

**Stability:** Stable at normal room temperature and pressure  
**Incompatibility** strong oxidizing agents.  
**Hazardous Decomposition Products:** oxides of phosphorus.  
**Hazardous Polymerization:** Has not been reported

### VII PHYSICAL DATA:

**Physical State:** solid  
**Appearance and Odor:** white powders, odorless  
**Melting Point:** 487° C  
**Boiling Point:** N/A  
**Specific Gravity:** 2.3g/cm<sup>3</sup>  
**Vapor Density:** N/A  
**Water Solubility:** yes  
**pH:** 8.8 (1% soln)

### VIII PREVENTIVE MEASURES:

**Personal Protection:** Lab coat, safety goggles, rubber gloves.  
**Ventilation:** Local exhaust systems. Use fume hood  
**Respiratory protection:** use OSHA/MSHA approved respirator.  
**Leak and Spill Procedures:** Ventilate the area. Wear appropriate protective equipment. Cover with dry lime or soda. Sweep and place in a closed container.  
**Waste Disposal:** Burn in chemical incinerator. Observe all Federal, provincial and local regulations.  
**Other precautions:** Avoid contact. Do not get in eyes, on skin, or clothing. Wash thoroughly after handling. Wash contaminated clothing before reuse.  
**Storage Conditions:** Room temperature..  
**Label Hazard Warning:** None. Avoid eye and skin contact. Avoid inhalation and ingestion.  
**Shipping Information:** Not regulated

### IX PREPARATION OF MSDS:

Prepared By: M.Kierdelewicz (President)  
Date Prepared: Dec 30/2011  
Phone: (800) 234-1179

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.