

# MATERIAL SAFETY DATA SHEET

## POLYVINYLPIRROLIDONE

### I IDENTIFICATION:

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

Emergency Telephone No.: 1-905-466-3832  
Chemical Name: Polyvinylpyrrolidone  
Catalog Number: PVP504  
Molecular Formula: 111.069  
Molecular Weight: C6H9NO  
WHMIS Classification: not controlled  
TSCA Status: listed on the TSCA Inventory

### II COMPOSITION/ INGREDIENTS:

	CAS #	%
Polyvinylpyrrolidone	: 9003-39-8	>99%

### III HAZARDS/TOXICOLOGICAL PROPERTIES:

To the best of our knowledge, this product is non hazardous  
The toxicological properties of this compound have not been fully investigated.

Routes of entry: not known

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:

LD50 mouse: Oral =1040mg/kg

LD50 rat: Oral= 1040mg/kg

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. GET MEDICAL ATTENTION.

### 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

Conditions to avoid: dust generation.

Incompatibility strong oxidizing agents.

Hazardous Decomposition Products: carbon dioxide, carbon monoxide

Hazardous Polymerization: Has not been reported

### VII PHYSICAL DATA:

Physical State: solid

Appearance and Odor: off-white powder

Freezing/Melting Point: 121F

Boiling Point: N/A

Specific Gravity: 1.1-1.3

Vapor Density: N/A

Water Solubility: yes

pH: 3-7 (5%, water)

### 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: 4° C

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: Sept 12/2011

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.