

# MATERIAL SAFETY DATA SHEET

## ADENINE SULFATE DIHYDRATE

### I IDENTIFICATION:

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

**Emergency Telephone No.:** 1-905-466-3832  
**Chemical Name:** Adenine sulfate dihydrate  
**Catalog Number:** ADS201  
**Molecular Formula:** (C<sub>5</sub>H<sub>5</sub>N<sub>5</sub>)<sub>2</sub>.H<sub>2</sub>SO<sub>4</sub>  
**Molecular Weight:** 404.37  
**WHMIS Classification:** not controlled  
**TSCA Status:** listed

### II COMPOSITION/ INGREDIENTS:

	CAS #	%
Adenine sulfate, dihydrate	53-84-9	100%
<b>Low health risk</b>		

### III HAZARDS/TOXICOLOGICAL PROPERTIES:

The toxicological properties of this product have not been fully investigated.

**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:**  
Not available

**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.  
**Ingestion:** Wash mouth with water.

### 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 and nitrogen oxides, sulfur oxides.

**Hazardous Polymerization:** Has not been reported

### VII PHYSICAL DATA:

**Physical State:** solid

**Appearance and Odor:** white powder. Odorless.

**Melting Point:** N/A

**Boiling Point:** N/A

**Specific Gravity:** N/A

**Vapor Density:** N/A

**Water Solubility:** yes

**pH:** N/A

### 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 3/2011

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.