

# BioShop Canada Inc.

4060 Fairview St, Units 6 & 8, Burlington, Ontario L7L 4Y8  
TEL:(800)234-1179 FAX:(888)683-1485

## MATERIAL SAFETY DATA SHEET

# ACRYLAMIDE

### I IDENTIFICATION:

**BioShop Canada Inc.**  
**4060 Fairview St Units 6 & 8**  
**Burlington, Ontario L7L 4Y8**  
**1-800-234-1179**

**Emergency Telephone No.: 905-466-3832**

**Chemical Name:** Acrylamide

**Catalog Number:** ACR001/ACR002

**Molecular Formula:** C<sub>3</sub>H<sub>5</sub>NO

**Molecular Weight:** 71.08

**WHMIS Classification:** D1B, D2A, D2B

**TSCA Status:** Listed on the TSCA Inventory

### II HAZARDOUS INGREDIENTS:

	CAS #	RTECS	%
Acrylamide	79-06-1	AS3325000	>99%

### III HAZARDS/TOXICOLOGICAL PROPERTIES:

**Effects of Acute Exposure:**

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

**Target Organs:** CNS, kidneys.

**Eyes:** Toxic when in contact with eyes. Harmful. Causes irritation.

**Skin:** Toxic when in contact with skin. Readily absorbed through skin. Harmful. Can cause dermatitis. Effects can result from single exposure, or with repeated contact. Peeling and redness may occur at exposure sites.

**Ingestion:** Harmful if ingested. Initial symptoms, numbness, tingling and touch tenderness. Prolonged exposure leading to coldness of extremities, excessive sweating, bluish-red and peeling of palms, marked fatigue and limb weakness.

**Inhalation:** Can be absorbed through the lungs to produce the signs and symptoms of neurotoxicity as described above.

**CHRONIC HEALTH HAZARDS;** repeated exposure may cause dermatitis. May cause cancer. May cause CNS disturbances.

**Teratogenicity:** see entry for RTECS

**Epidemiology:** confirmed carcinogen in animals

**Reproductive Effects:** have occurred in experimental animals

**Neurotoxicity:** have occurred in humans

**Mutagenicity:** see RTECS

### Exposure Limits:

SKN-RBT: 50 MG/3D MLD

SKN-RBT 500 MG /24HR MLD

EYE-RBT 10MG /30S RINSE MLD

EYE-RBT 100MG/24HR MOD

ORL-RAT LD50:124 MG/KG

IPR-RAT LD50:90 MG/KG

UNR-RAT LD50:208 MG/KG

ORL MUS LD50:107MG/KG

### IV FIRST AID MEASURES:

**Eyes:** Flush eyes with water , GET MEDICAL ATTENTION

**Skin:** In case of contact, flush area immediately with water. GET MEDICAL ATTENTION.

**Inhalation:** Remove victim to fresh air. If not breathing give artificial respiration. If breathing is difficult give oxygen and GET MEDICAL ATTENTION.

**Ingestion:** wash mouth with water. Do not induce vomiting. GET MEDICAL ATTENTION IMMEDIATELY.

### V FIRE AND EXPLOSION HAZARDS:

**Flammable:** No

**Flash Point:** N/A, Combustible

**Extinguishing Media:** water spray, carbon dioxide, dry chemical powder

**Explosion Data:** Not available

### VI REACTIVITY:

**Stability:** Stable at normal room temperature and pressure. May polymerize if heated to the melting point. May polymerize on exposure to light.

**Incompatibility:** Metals, oxidizing agents, reducing agents, bases, and acids

**Hazardous Decomposition Products:** Thermal decomposition may produce toxic fumes of carbon monoxide and carbon dioxide.

**Hazardous Polymerization:** may occur see above.

### VII PHYSICAL DATA:

**Physical State:** solid

**Appearance and Odor:** white crystalline, odorless

**Melting Point:** 85C

**Boiling Point:** 125C

**Specific Gravity:** 1.122

**Vapor Density:** 2.45

**Water Solubility:** Soluble

**pH:** N/A

**Decomposition Temp.:** 84C

### 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. Sweep up and place in a closed container. Wear mask.

**Waste Disposal:** See local authorities for proper disposal procedures

**Other precautions:** Avoid contact. Do not get in eyes, on skin, or clothing. Wash thoroughly after handling. Wash contaminated clothing before reuse.

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**Storage Conditions:** Keep away from heat, sparks and open flame. Keep away from sunlight. Store in well ventilated area. Do not expose to temperatures over 50C.

**Label Hazard Warning:** Poison. Harmful, possible risk of irreversible effects, harmful to skin, eyes and respiratory system. Avoid eye and skin contact. Avoid inhalation and ingestion.

**Shipping Information:** Acrylamide PG: 111 CLASS 6.1 UN Number UN2074

### IX PREPARATION OF MSDS:

Prepared By: M. Kierdelewicz  
Date: Dec 05/05  
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.