

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: C₃H₅NO

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: Apr 5/03 Revised: Jan 1/05
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.