

MATERIAL SAFETY DATA SHEET

ACRYLAMIDE/BIS-ACRYLAMIDE SOLUTION (30%, 37.5:1)

I IDENTIFICATION:

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

Emergency Telephone No.: 905-466-3832
Chemical Name: Solution of Acrylamide N,N-Methylene-Bis-Acrylamide (30%, 37.5:1)
Catalog Number: ACR010
Molecular Formula: Acrylamide, C₃H₅NO, N,N' Methylene-bis-Acrylamide, C₇H₁₀N₂O₂
Molecular Weight: 71.08 & 154.17 respectively.
WHMIS Classification: D1B
TSCA Status: Listed on the TSCA Inventory

II HAZARDOUS INGREDIENTS:

	CAS #	RTECS #	%
Acrylamide	76-06-1	AS3325000	
N,N' Methylene-bis-Acrylamide	110-26-9	AS3678000	

Proportion: 37.5:1 Acrylamide/Bis-acrylamide 30%

III HAZARDS/TOXICOLOGICAL PROPERTIES:

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

Eyes: Highly toxic, irritant.
Skin: Highly toxic, irritant.

Inhalation: Highly toxic, irritant.
Ingestion: High oral toxicity. Harmful if swallowed.

CHRONIC HEALTH HAZARDS: Highly toxic and irritant. Causes CNS Paralysis. Can be absorbed through unbroken skin. Effects are cumulative and irreversible.

Symptoms: Primary entry dermal, next inhalation, last oral. Initial symptoms would be 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.

Exposure Limits:

LD50: Adult rats fed an average of 30mg/kg for 14days resulted in partial paralysis in all cases.

CARCINOGENICITY, TERATOGENICITY, REPRODUCTIVE TOXICITY, MUTAGENICITY: Suspected carcinogen.

IV FIRST AID MEASURES:

Eyes: Flush eyes with plenty of water for at least 15 minutes. GET MEDICAL ATTENTION
Skin: Flush area immediately with plenty of water for at least 15 minutes. 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: If conscious, induce vomiting. GET MEDICAL ATTENTION.

V FIRE AND EXPLOSION HAZARDS:

Flammable: No
Flash Point: N/A
Explosion Data: No risk

VI REACTIVITY:

Stability: Stable at normal room temperature and pressure
Incompatibility: Not available
Hazardous Decomposition Products: Heating or burning will produce toxic fumes of nitric oxides.

VII PHYSICAL DATA:

Physical State: Liquid
Appearance and Odor: Clear liquid, no odor.
Melting Point: N/A
Boiling Point: N/A
Specific Gravity: N/A
Vapor Density: N/A
Water Solubility: Freely soluble
pH: N/A

VIII PREVENTIVE MEASURES:

Personal Protection: Lab coat, safety goggles, rubber gloves.
Ventilation: Local exhaust systems. Use fume hood
Leak and Spill Procedures: Absorb the liquid in dry sand, diatomite or vermiculite. Sweep into plastic bags for disposal.
Waste Disposal: Incinerate or landfill. Observe all federal, provincial, state and local regulations.
Storage Conditions: 2-8° C
Label Hazard Warning: Poison
Shipping Information: Regulated, Class 6.1 UN 3426 Packing Group III

IX PREPARATION OF MSDS:

Prepared By: M. Kierdelewicz (President)
Date: Jan 6/2012
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.

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Observe all federal, provincial and state laws concerning health, safety and pollution.