

BioShop Canada Inc.

MATERIAL SAFETY DATA SHEET

ACETIC ACID, GLACIAL

I IDENTIFICATION:

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

Emergency Telephone No.: 905-466-3832
Chemical Name: Acetic Acid, Glacial
Catalog Number: ACE222/ACE333
Molecular Formula: C₂H₄O₂
Molecular Weight: 60.05
WHMIS Classification: B3, E
TSCA Status: Listed on the TSCA Inventory

II HAZARDOUS INGREDIENTS:

	CAS #	RTECS	%
Acetic Acid	64-19-7	AF1225000	99.7%

III HAZARDS/TOXICOLOGICAL PROPERTIES:

Potential Health Effects:

Target Organs: Respiratory tract, eyes, skin.

Eyes: Causes severe eye burns. Contact with liquid or vapor causes severe burns and possible irreversible eye damages.

Skin: Causes severe burns with delayed tissue destruction.

Ingestion: May cause severe and permanent damage to the digestive tract. Causes gastrointestinal tract burns. Causes severe pain, nausea, vomiting, diarrhea and shock.

Inhalation: Effects may be delayed. May cause irritation of the respiratory tract with burning pain in the nose and throat, coughing, wheezing, shortness of breath and pulmonary edema. Causes chemical burns to the respiratory tract. Inhalation may be fatal as a result of spasm, inflammation, edema of the larynx and bronchi, chemical pneumonitis and pulmonary edema.

CHRONIC HEALTH HAZARDS: Prolonged or repeated skin contact may cause dermatitis. Repeated inhalation may cause chronic bronchitis.

Teratogenicity: Effects on Newborn; behavioral, orl rat TDLo=700mg/kg.

Epidemiology: No information available

Reproductive Effects: Fertility: male index, itt-rat TDLo=400mg/kg. Orl rat TDLo 700mg/kg (18D post).

Neurotoxicity: No information available

Mutagenicity: mmo-esc 300 ppm/3H sln-dmg-ork 1000 ppm cyt-grh-Par 40 mmol/l sce-hmn-lym 5 mmol/l dns-mus-skn 79279 fg/kg oms-mus-Skn 1201 mg/kg cyt-ham-ovr 10mmol/l

IV FIRST AID MEASURES:

Eyes: Immediately flush with plenty of water for at least 15 minutes. GET MEDICAL ATTENTION

Skin: Immediately flush area with soap and water. GET MEDICAL ATTENTION.

Inhalation: Get medical aid immediately. Remove from exposure to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

Ingestion: Do not induce vomiting. If victim is conscious and alert, give 2-4

cupfuls of milk or water. GET MEDICAL ATTENTION.

V FIRE AND EXPLOSION HAZARDS:

Flammable: Yes

Flash Point: 40°C

Extinguishing Media: Use dry chemical, carbon dioxide, water spray or alcohol resistant foam. Use water spray to cool fire exposed containers.

Explosion Data: Not available

VI REACTIVITY:

Stability: Stable under normal room temperature and pressures.

Incompatibility: Acetaldehyde, 2-aminoethanol, ammonium nitrate, bromine Pentafluoride, chlorine trifluoride, diallyl methyl carbinol +ozone, ethylenediamine, ethyleneimine, hydrogen peroxide, nitric acid, nitric acid + acetone,oleum, perchloric acid, permanganates, phosphorus isocyanate, phosphorus trichloride, potassium hydroxide, potassium-t-butoxide, sodium hydroxide, sodium peroxide and xylene.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, acrid smoke and fumes.

Hazardous Polymerization: Has not been reported.

VII PHYSICAL DATA:

Physical State: Liquid

Appearance and Odor: APHA: 10 max., pungent (vinegar) odor.

Melting Point: 16.00 - 16.50 °C

Boiling Point: 117.0 - 118.0°C

Specific Gravity: 1.0490g/cm³

Vapor Density: 2.10 (air=1)

Water Solubility: Miscible with water

pH: N/A

Decomposition Temp: Not available

VIII PREVENTIVE MEASURES:

Personal Protection: Personal protective equipment

Respiratory protection: use OSHA/MSHA approved respirator.

Leak and Spill Procedures: Ventilate the area. Use water spray to dilute spill to a non-flammable mixture. Avoid runoff into sewers and ditches which lead to waterways. Wash area with soap and water. Use water spray to disperse the gas/vapor. Remove all sources of ignition. Cover with material such as dry soda ash or calcium carbonate and place into a closed container for disposal.

Waste Disposal: See local authorities for proper disposal procedures

Other precautions: Avoid contact. Do not get in eyes, on skin, or clothing.

Storage Conditions: Keep away from heat, sparks and flame. Keep from contact with oxidizing materials. Store in a cool, dry, well ventilated area away from incompatible substances. Store in a suitable container in a dry area above the substances freezing point. Do not store near alkaline substances.

Label Hazard Warning: Do not inhale gas/fumes/vapour/spray. In case of contact with eyes, rinse immediately with plenty of water and seek medical attention.

Shipping Information: Acetic Acid, glacial, PG II, Class 8, UN #, UN2789.

BioShop Canada Inc.

MATERIAL SAFETY DATA SHEET

ACETIC ACID, GLACIAL

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.

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