

MATERIAL SAFETY DATA SHEET

ACETYLSALICYLIC ACID

I IDENTIFICATION:

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

Emergency Telephone No.: 905-466-3832
Chemical Name: Acetylsalicylic acid
Catalog Number: ACE245
Molecular Formula: C₉H₈O₄
Molecular Weight: 180.16
WHMIS Classification: D1B, D2B, D2A
TSCA Status: listed on the TSCA Inventory

II COMPOSITION/ INGREDIENTS:

	CAS #	%
Acetylsalicylic acid	50-78-2	99

III HAZARDS/TOXICOLOGICAL PROPERTIES:

Potential Health Effects

Target Organs: Blood, respiratory system, eyes, skin
Eyes: causes eye irritation.
Skin: causes skin irritation. Absorbed through skin.
Inhalation: causes irritation. May be harmful
Ingestion: harmful if swallowed. May cause irritation of the digestive tract. May cause liver and kidney damage. May cause vomiting, headache dizziness. May cause a drop in blood pressure.
CHRONIC HEALTH HAZARDS: May cause dermatitis.

Exposure Limits:

LD50 / LC50:
Oral, mouse: LD50= 250mg/kg
Oral, rabbit: LD50= 1010 mg/kg

Epidemiology: No data available
Teratogenicity: have occurred in animal experiments. In conclusive results.
Reproductive Effects: No data available
Neurotoxicity: No data available
Mutagenicity: chromosomes aberrations have been observed in cultured human fibroblasts
Carcinogenicity: Not listed by ACGIH, IARC, NTP, or OSHA

IV FIRST AID MEASURES:

Eyes: Flush eyes with plenty of water for at least 15 minutes.
Skin: Flush area immediately with plenty of soap and water while removing contaminated clothing and shoes.
Inhalation: Remove victim to fresh air.
Ingestion: Wash mouth with water.

V FIRE AND EXPLOSION HAZARDS:

Flammable: No
Flash Point: N/A

Extinguishing Media: Water, dry chemical, chemical foam or alcohol resistant foam.

Explosion Data: Not available

VI REACTIVITY:

Stability: Stable under normal temperatures and pressure. Absorbs moisture.

Conditions to avoid: moisture, dust generation.

Incompatibility: Strong oxidizing agents and reducing agents

Hazardous Decomposition Products: carbon monoxide, carbon dioxide,

Hazardous Polymerization: Will not occur

VII PHYSICAL DATA:

Physical State: Solid

Appearance and Odor: white powder. No odor

Melting Point: 136-140° C

Boiling Point: N/A

Specific Gravity: N/A

Vapor Density: N/A

Solubility: WATER 2.5g/L

pH: 3.5

VIII PREVENTIVE MEASURES:

Personal Protection: Wear appropriate protective gloves and clothes to prevent skin exposure.

Ventilation: Local exhaust systems.

Respiratory protection: Use NIOSH/MSHA approved full face-piece respirator.

Leak and Spill Procedures: Wear appropriate protective equipment. Sweep up then place into a suitable container for disposal.

Waste Disposal: Follow local disposal regulations.

Storage Conditions: Store in a cool, dry place. Store in a tightly closed container.

Label Hazard Warning: Irritating to eyes, respiratory system and skin.

Shipping Information: Not regulated

IX PREPARATION OF MSDS:

Prepared By: M. Kierdelewicz (President)

Date: Dec 6/2011

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.