

SAFETY DATA SHEET

ACETYLSALICYLIC ACID

SECTION 1: CHEMICAL AND COMPANY IDENTIFICATION

BioShop Canada Inc.
4060 Fairview St Unit #6-8
Burlington, Ontario L7L 4Y8
1-800-234-1179
Emergency Telephone No.: 1-905-466-3832
Chemical Name: Acetylsalicylic acid
Catalog Number: ACE245

SECTION 2 HAZARDS IDENTIFICATION

GHS Classification:
Acute toxicity, Oral, Category 4

Pictogram:



Signal Word: WARNING

Hazard statement:
H302 Harmful if swallowed.

Precautionary statements:
P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth.
P501 Dispose of contents/ container to an approved waste disposal plant

Eyes: May cause eye irritation.
Skin: May cause skin irritation..
Inhalation: May cause irritation. May be harmful
Ingestion: Harmful if swallowed. May cause irritation of the digestive tract..
CHRONIC HEALTH HAZARDS: none known.

SECTION 3 COMPOSITION/ INGREDIENTS

	CAS #	%
Acetylsalicylic acid	50-78-2	99

Molecular Formula: C₉H₈O₄
Molecular Weight: 180.16

SECTION 4 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. If not breathing give artificial respiration. If breathing is difficult give oxygen . GET MEDICAL ATTENTION.
Ingestion: Wash mouth with water. GET MEDICAL ATTENTION .

SECTION 5 FIRE FIGHTING MEASURES

Flammable: No
Flash Point: 250C
Autoignition Temperature: 490C
Extinguishing Media: Use water spray, foam, dry chemical or carbon dioxide.
Explosion Data: Not available

SECTION 6 ACCIDENTAL RELEASE MEASURES

Ventilate the area. Wear appropriate protective equipment. Sweep and place in a closed container. In the event of a fire always wear self-contained breathing apparatus, NIOSH/MSHA approved or equivalent.
Leak and Spill Procedures: Ventilate the area. Wear appropriate protective equipment. Cover with dry lime or soda. Sweep and place in a closed container

SECTION 7 HANDLING AND STORAGE

Handling: Avoid contact. Do not get in eyes, on skin, or clothing. Wash thoroughly after handling. Wash contaminated clothing before reuse. Minimize dust generation.
Storage Conditions: Room temperature.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits:
ACGIH: 5mg/m³ TWA
NIOSH: 5mg/m³ TWA
OSHA: none listed
Use adequate ventilation. AVOID DUST GENERATION.
Wear appropriate protective equipment to prevent eye and skin exposure. Wear appropriate respirator to prevent lung irritation.
Personal Protection: Lab coat, safety goggles, rubber gloves.
Ventilation: Local exhaust systems. Use fume hood
Respiratory protection: use OSHA/MSHA approved respirator.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Solid
Appearance and Odor: white powder. No odor

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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

Prepared By: M.Kierdelewicz
Date Prepared: Jan 1/2025
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.

SECTION 10 STABILITY AND 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:

SECTION 11 TOXICOLOGICAL PROPERTIES

Exposure Limits:

LD50 / LC50:
Oral, rat: LD50= 1500 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

SECTION 12 ECOLOGICAL INFORMATION

Daphnia: 168 mg/L 24hr.
Fish: Leuciscus idus: >1000 mg/L, 48hr.

SECTION 13 DISPOSAL CONSIDERATION

Waste Disposal: Burn in chemical incinerator. Observe all Federal, provincial and local regulations.

SECTION 14 TRANSPORT INFORMATION

Shipping Information: Not regulated

SECTION 15 REGULATORY INFORMATION

US: TSCA: listed
European/International: Harmful if swallowed, irritating to eyes, respiratory system and skin.
Canada: WHMIS: D1B, D2B

SECTION 16 ADDITIONAL INFORMATION