

SAFETY DATA SHEET

WORTMANNIN

SECTION 1: CHEMICAL AND COMPANY IDENTIFICATION

BioShop Canada Inc.
5480 Mainway
Burlington, Ontario L7L 6A4
1-800-234-1179
Emergency Telephone No.: 905-466-3832
Chemical Name: Wortmannin
Catalog Number: WOR222

SECTION 2 HAZARDS IDENTIFICATION

Emergency overview;

GHS Classification:

Acute toxicity, Oral (Category 1)
Acute toxicity, Inhalation (Category 1)
Acute toxicity, Dermal (Category 2)

Pictogram:



Signal word; DANGER

Hazard Statements:

H300 + H310 + H330 Fatal if swallowed, in contact with skin or if inhaled.

Precautionary statements;

P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
P262 Do not get in eyes, on skin, or on clothing.
P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/ protective clothing.
P284 Wear respiratory protection.
P301 + P310 + P330 IF SWALLOWED: Immediately call a POISON CENTER/doctor. Rinse mouth.
P302 + P352 + P310 IF ON SKIN: Wash with plenty of water. Immediately call a POISON CENTER/doctor.
P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor.
P361 + P364 Take off immediately all contaminated clothing and wash it before reuse.
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
P501 Dispose of contents/ container to an approved waste disposal plant.

Potential Health Effects

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

Target Organs: Heart

Eyes: Toxic when in contact with eyes. Harmful. Causes irritation.

Skin: Toxic when in contact with skin. Readily absorbed through skin. harmful..

Ingestion: Harmful if ingested. May be fatal

Inhalation: Harmful if inhaled . May be fatal.

CHRONIC HEALTH HAZARDS; no information

SECTION 3 COMPOSITION/ INGREDIENTS

	CAS #	%
Wortmannin	19545-26-7	>99%

Molecular Formula: C23H24O8

Molecular Weight: 428.43

SECTION 4 FIRST AID MEASURES

Eyes: Flush eyes with water , GET MEDICAL ATTENTION

Skin: In case of contact, flush area immediately with water. Remove clothing. 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.

SECTION 5 FIRE FIGHTING MEASURES

Combustible solid. When dealing with fire wear self-contained breathing apparatus. Avoid hazardous vapors and dust.

Flammable: No

Flash Point: N/A

Autoignition Temperature: N/A

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. Use in fume hood.

Storage Conditions: Room temperature. Keep away from heat (above 50C)

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and ignition source.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits:

ACGIH: 0.03 mg/m³ TWA

NIOSH: 0.03mg/m³ TWA 60 mg/m³ IDLH

OSHA: 0.3 mg/m³ TWA

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 NIOSH/MSHA approved respirator.

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SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Physical State: solid

Appearance and Odor: white powder, odorless

Melting Point: N/A

Boiling Point: N/A

Specific Gravity: N/A

Vapor Density: N/A

Water Solubility: Soluble in water

pH: N/A

Decomposition Temp.: N/A

SECTION 10 STABILITY AND REACTIVITY:

Conditions to avoid: dust generation

Stability: Stable at normal room temperature and pressure. May polymerize if heated to the melting point. May polymerize on exposure to light. May form explosive dust –air mixtures.

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.

SECTION 11 TOXICOLOGICAL PROPERTIES

Exposure Limits:

LD50 / LC50:

LD50 Oral rat: 4mg/kg

LC50 inhalation: 18mg/kg

Teratogenicity: no data available

Epidemiology: no data available

Reproductive Effects: no data available

Neurotoxicity: no data available

Mutagenicity: no data available

Carcinogenicity: no data available

SECTION 12 ECOLOGICAL INFORMATION

No information found.

SECTION 13 DISPOSAL CONSIDERATION

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

SECTION 14 TRANSPORT INFORMATION

Shipping Information:

US DOT

Not regulated

Canada TDG:

Not regulated

SECTION 15 REGULATORY INFORMATION

US: TSCA: listed

European/International:

N/A

Canada: WHMIS: D1B, D2A

SECTION 16 ADDITIONAL INFORMATION

Prepared By: M.Kierdelewicz (President)

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.