

# SAFETY DATA SHEET

## OKADAIC ACID

### SECTION 1: CHEMICAL AND COMPANY IDENTIFICATION

**BioShop Canada Inc.**  
**5480 Mainway**  
**Burlington, Ontario L7L 6A4**  
**1-800-234-1179**  
**Emergency Telephone No.: 1-905-466-3832**  
**Chemical Name:** Okadaic acid  
**Catalog Number:** OKA001

### Potential Health Effects

**Target Organs:** smooth muscle  
**Eyes:** causes eye irritation.  
**Skin:** causes skin irritation.  
**Inhalation:** Toxic if inhaled, may cause irritation.  
**Ingestion** harmful if swallowed. May cause irritation of the digestive tract.  
**CHRONIC HEALTH HAZARDS:** Not available  
**Acute toxicity:** not available

### SECTION 2 HAZARDS IDENTIFICATION

#### GHS Classification:

Acute toxicity, Oral (Category 3)  
Acute toxicity, Inhalation (Category 3)  
Acute toxicity, Dermal (Category 3)  
Skin irritation (Category 2)

Pictogram:



Signal word: DANGER

#### Hazard statement:

H301 + H311 + H331 Toxic if swallowed, in contact with skin or if inhaled.  
H315 Causes skin irritation.

#### Precautionary statement:

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
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.  
P301 + P310 + P330 IF SWALLOWED: Immediately call a POISON CENTER/doctor. Rinse mouth.  
P302 + P352 + P312 IF ON SKIN: Wash with plenty of water. Call a POISON CENTER/doctor if you feel unwell.  
P304 + P340 + P311 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor.  
P332 + P313 If skin irritation occurs: Get medical advice/ attention.  
P361 + P364 Take off immediately all contaminated clothing and wash it before reuse.  
P403 + P233 Store in a well-ventilated place  
P405 Store locked up.  
P501 Dispose of contents/ container to an approved waste disposal plant.

### SECTION 3 COMPOSITION/ INGREDIENTS

	CAS #	%
Okadaic acid	78111-17-8	98+

**Molecular Formula:** C44B68O13  
**Molecular Weight:** 805.1

### 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:** 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.  
**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.  
**Storage Conditions:** -20C.

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### SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits: 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  
**Freezing/Melting Point:** N/A  
**Boiling Point:** N/A  
**Specific Gravity:** N/A  
**Vapor Density:** N/A  
**Solubility:** DMSO, water  
**pH:** N/A  
**Molecular Formula:** C44B68O13.K  
**Molecular Weight:** 843.11

### SECTION 10 STABILITY AND REACTIVITY:

**Stability:** Stable under normal temperatures and pressure  
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**Conditions to avoid:** dust generation  
**Incompatibility:** Strong oxidizing agents and reducing agents  
**Hazardous Decomposition Products:** Nitrogen oxides, carbon monoxide, carbon dioxide,  
**Hazardous Polymerization:** Will not occur

### SECTION 11 TOXICOLOGICAL PROPERTIES

#### Exposure Limits:

LD50 / LC50:  
Not available

**Epidemiology:** No data available  
**Teratogenicity:** No data available  
**Reproductive Effects:** No data available  
**Neurotoxicity:** No data available  
**Mutagenicity:** No data available  
**Carcinogenicity:** Not listed by ACGIH, IARC, NTP, or OSHA  
Tumor promoter Based on Human evidence.

### 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:** Not regulated

### SECTION 15 REGULATORY INFORMATION

**US :** TSCA: listed  
**European/International:** N/A  
**Canada:** WHMIS: **D2B**

### 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.