



Biomolecules for research

MATERIAL SAFETY DATA SHEET

Section 1 : Substance Identification

Name: Batrachotoxin

CAS Number: 23509-16-2

Catalog Number: NA-141

Chemical Formula: $C_{31}H_{42}N_2O_6$

Synonyms: BTX

Chemical Class: Steroidal Alkalod

Company Identification: BIOMOL International L.P.
5120 Butler Pike
Plymouth Meeting PA 19462-1202 USA
(610) 941-0430 (9am-5pm ET)

Section 2 : Health Hazard Data

Acute Health Effects: **Highly Toxic.** May be fatal by ingestion, inhalation, or absorption through the skin in very small amounts. Batrachotoxin is one of the most toxic substances known to man. Death can occur within minutes. It is extremely dangerous if it enters the blood stream in any manner. Symptoms of exposure can include convulsions and nerve paralysis

Chronic Health Effects: Death

Section 3 : First Aid Measures

Eye Contact: Seek medical attention immediately.

Skin Contact: Seek medical attention immediately. Wash with soap and water

Inhalation: Remove from exposure. Seek medical attention immediately. Provide chemical label and MSDS if possible.

Ingestion: Call physician or poison control and seek medical attention immediately. Provide chemical label and MSDS information if possible.

Section 4 : Fire and Explosion Data

Flammability: Not Available

Flash Point: Not Available

Combustion Products: Carbon monoxide, Carbon dioxide, Nitrogen oxides

Extinguishing Media: Carbon Dioxide, Dry chemical powder, polymer foam, water spray

Special Firefighting Procedures: Use self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Unusual Fire/Explosion Hazards: None known

Section 5 : Spill or Leak Procedures

Cleanup Procedures: Wearing appropriate protective gear as outlined under "Protective Equipment" wipe up spill and place in sealed container and hold for disposal. Avoid raising dust. Ventilate the area and wash spill site after material has been removed.

Waste Disposal Method: Observe all Federal, State and Local regulations concerning the disposal of this product.

Section 6 : Storage and Handling Precautions

Protective Equipment: For spill clean up, wear suitable full coverage protective clothing, chemical resistant rubber gloves, rubber boots, and chemical safety goggles. Self contained breathing apparatus or NIOSH/MSHA approved respirator is required.

Storage and Handling: This product should be stored at -20°C. It should be kept in a tightly closed container and clearly labeled as toxic. This product should only be handled only by qualified experienced professionals wearing appropriate protective gear, and working in a controlled environment. Wash thoroughly after handling this material.

Section 7 : Physical Data

Appearance: film on glass

Molecular Weight: 538.7

Boiling Point: Not Available

Solubility: DMSO, Ethanol, Methanol

Specific Gravity: Not Available

Volatility: Not Available

Odor: Not Available

Taste: Not Available

Melting Point: Not Available

Vapor Density: Not Available

Vapor Pressure: Not Available

Section 8 : Stability and Reactivity Data

Stability: This material is stable if stored as directed

Conditions to Avoid: None known

Incompatibles: Not Available

Section 9 : Toxicity Data

RTECS#: CR3990000

S.C. LD50: Mouse : 2 µg/kg

Section 10 : Ecological Data

Ecotoxicological Information: None Available

The above information is believed to be correct but does not purport to be complete and should be used only as a guide. The burden of safe use of this material rests entirely with the user.

Emergency Contact:

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Last Revised : 1/15/08