

MATERIAL SAFETY DATA SHEET

L-ARGININE

I IDENTIFICATION:

BioShop Canada Inc.
5480 Mainway
Burlington, Ontario L7L 4Y8
1-800-234-1179

Emergency Telephone No.: 905-466-3832

Chemical Name: L-Arginine

Catalog Number: ARG005

Molecular Formula: C₆H₁₄N₄O₂

Molecular Weight: 174.20

WHMIS Classification: not controlled

TSCA Status: listed

II HAZARDOUS INGREDIENTS:

	CAS #	%
L-Arginine	74-79-3	>98%

III HAZARDS/TOXICOLOGICAL PROPERTIES:

Potential Health Effects

Target Organs: None known

Eyes: May cause eye irritation.

Skin: May cause skin irritation.

Inhalation: may cause irritation.

Ingestion: May be harmful if swallowed. May cause irritation of the digestive tract.

CHRONIC HEALTH HAZARDS: Not available

The toxicological properties of this substance have not been fully investigated.

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

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. If not breathing give artificial respiration. If breathing is difficult give oxygen and GET MEDICAL ATTENTION.

Ingestion: Wash mouth with water. GET MEDICAL ATTENTION

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

Conditions to avoid: dust generation, excessive heat and moisture.

Incompatibility: Strong oxidizing agents and reducing agents

Hazardous Decomposition Products: Nitrogen oxides, carbon monoxide, carbon dioxide, sulfur dioxides.

Hazardous Polymerization: Will not occur

VII PHYSICAL DATA:

Physical State: Solid

Appearance and Odor: white crystalline powder. No odor

Melting Point: 223-224° C

Boiling Point: N/A

Specific Gravity/density: 1.3

Vapor Density: N/A

Solubility: soluble

pH: 11.4

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.