

# SAFETY DATA SHEET

## L-ASPARTIC 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:** L-Aspartic acid  
**Catalog Number:** ASP003/ASP005

### SECTION 2 HAZARDS IDENTIFICATION

**GHS Classification:**

Not hazardous according to GHS

**Target Organs:** none

**Eyes:** May cause eye irritation.

**Skin:** May cause skin irritation.

**Inhalation:** may cause irritation. The toxicological properties of this substance have not been fully investigated.

**Ingestion:** May cause irritation of the digestive tract. The toxicological properties of this substance have not been fully investigated.

**CHRONIC HEALTH HAZARDS:** no information found

### SECTION 3 COMPOSITION/ INGREDIENTS

	CAS #	%
L-Aspartic acid	56-84-8	99+

**Molecular Formula:** C4H7NO4

**Molecular Weight:** 133.05

### SECTION 4 FIRST AID MEASURES

**Eyes:** Flush eyes with plenty of water for at least 15 minutes. GET MEDICAL AID.

**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..

### 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:** Room temperature.

### 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 crystals. No odor

**Melting Point:** 270-271°C

**Boiling Point:** N/A

**Specific Gravity:** N/A

**Vapor Density:** N/A

**Solubility:** slightly soluble

**pH:** 2.5-3.4 (10% soln.)

### SECTION 10 STABILITY AND REACTIVITY:

**Stability:** Stable under normal temperatures and pressure

**Conditions to avoid:** generation of dust.

**Incompatibility:** Strong oxidizing agents

**Hazardous Decomposition Products:** carbon monoxide, carbon dioxide,

**Hazardous Polymerization:** Will not occur

### SECTION 11 TOXICOLOGICAL PROPERTIES

**Exposure Limits:**

LD50 / LC50:

Not available

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## L-ASPARTIC ACID

**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

<b>SECTION 12</b>	<b>ECOLOGICAL INFORMATION</b>
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No information found.

<b>SECTION 13</b>	<b>DISPOSAL CONSIDERATION</b>
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**Waste Disposal:** Burn in chemical incinerator. Observe all Federal, provincial and local regulations.

<b>SECTION 14</b>	<b>TRANSPORT INFORMATION</b>
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**Shipping Information:** Not regulated

<b>SECTION 15</b>	<b>REGULATORY INFORMATION</b>
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**US :** TSCA: listed  
**European/International:** N/A  
**Canada:** WHMIS: **not controlled**

<b>SECTION 16</b>	<b>ADDITIONAL INFORMATION</b>
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Prepared By: M.Kierdelewicz (President)  
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Observe all federal, provincial and state laws concerning health, safety and pollution.