

# SAFETY DATA SHEET

## L-ASPARAGINE, MONOHYDRATE

### 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-Asparagine, monohydrate  
**Catalog Number:** ASP002

**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 2 HAZARDS IDENTIFICATION

**GHS Classification:**  
**Not hazardous according to GHS**

#### Potential Health Effects

**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 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 3 COMPOSITION/ INGREDIENTS

	CAS #	%
<b>L-Asparagine Monohydrate</b>	<b>5794-13-8</b>	<b>98+</b>

**Molecular Formula:** C<sub>4</sub>H<sub>8</sub>N<sub>2</sub>O<sub>3</sub>.H<sub>2</sub>O

**Molecular Weight:** 1150.13

### SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Solid

**Appearance and Odor:** white crystals. No odor

**Freezing/Melting Point:** 233-235° C

**Boiling Point:** N/A

**Specific Gravity:** 1.6

**Vapor Density:** N/A

**Solubility:** slightly soluble

**pH:** N/A

### 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. GET MEDICAL ATTENTION .

### 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, nitrogen oxide.

**Hazardous Polymerization:** Will not occur

### SECTION 5 FIRE FIGHTING MEASURES

**Flammable:** No

# SAFETY DATA SHEET

## L-ASPARAGINE, MONOHYDRATE

### 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

### 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: **not controlled**

### 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.