

Material Safety Data Sheet

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	L-Carnosine Powder
INCI Name	L-Carnosine
CAS #	305-84-0
Molecular Formula	C ₉ H ₁₄ N ₄ O ₃
Chemical Name	β-Alanyl-L-histidine
Country of Origin	USA
Product use	Skincare/Cosmetic/Industrial
Supplier	Botanic Planet Canada Inc.
Address	2 Bram Crt Unit # 3-4 Brampton, Ontario, Canada
Telephone number	905-455-4444
Emergency phone number	(613)-996-6666 CANUTEC 24 HOUR EMERGENCY

2. HAZARD IDENTIFICATION

GHS Classification

Based on available information, L-Carnosine Powder is not classified as hazardous under the applicable GHS/WHMIS classification criteria when handled under normal conditions.

Signal Word: None required

Hazard Pictograms: None required

Hazard Statements: None required based on available information.

Precautionary Statements

- Avoid generating and breathing excessive dust.
- Avoid contact with eyes.
- Wash hands thoroughly after handling.
- Use appropriate ventilation when handling large quantities of powder.
- Keep container tightly closed when not in use.

Other Hazards

Fine powders may cause temporary mechanical irritation to the eyes, nose, throat or respiratory tract if airborne in high concentrations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS No.	Concentration
L-Carnosine	305-84-0	≥99.00%

The product is supplied as L-Carnosine Powder with an assay specification of ≥99.00%.

4. FIRST-AID MEASURES

Eye Contact

Immediately rinse cautiously with clean water for at least 15 minutes. Remove contact lenses if present and easy to do. Continue rinsing. Seek medical attention if irritation persists.

Skin Contact

Wash affected area thoroughly with soap and water. Remove contaminated clothing. Seek medical attention if irritation develops or persists.

Inhalation

Move the affected person to fresh air. Avoid further exposure to airborne dust. Seek medical attention if coughing, breathing difficulty or other symptoms persist.

Ingestion

Rinse mouth with water. Do not induce vomiting unless directed by medical personnel. Seek medical advice if a significant quantity has been swallowed or symptoms occur.

Most Important Symptoms

Dust may cause temporary irritation of the eyes and respiratory tract.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:

Use water spray, dry chemical, carbon dioxide or appropriate foam depending on the surrounding fire.

Unsuitable Extinguishing Media:

No specific restrictions known.

Specific Hazards:

Thermal decomposition may produce carbon oxides, nitrogen oxides and other irritating or potentially hazardous decomposition products.

Protective Equipment:

Firefighters should wear appropriate protective clothing and self-contained breathing apparatus where necessary.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Avoid creating airborne dust. Ensure adequate ventilation. Avoid contact with eyes and prolonged exposure.

Environmental Precautions

Prevent large quantities from entering drains, waterways or the environment.

Cleanup Methods

Carefully collect spilled material using methods that minimize dust generation. Place recovered material into a suitable, closed container for disposal or evaluation.

Do not use compressed air to clean up powder spills.

7. HANDLING AND STORAGE

Handling

- Handle in accordance with good industrial hygiene practices.
- Avoid unnecessary generation of dust.
- Avoid eye contact.
- Use adequate ventilation.
- Wash hands after handling.

Storage

Store in a cool, dry and well-ventilated area.

Keep container:

- Tightly closed
- Protected from moisture
- Protected from direct sunlight
- Away from excessive heat
- Away from incompatible materials

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits

No specific occupational exposure limit has been established for L-Carnosine.

Engineering Controls

Provide adequate general or local exhaust ventilation where dust may be generated.

Respiratory Protection

Normally not required under conditions of intended use. Where significant dust is generated, use an appropriate particulate respirator in accordance with applicable workplace requirements.

Eye Protection

Safety glasses or protective eyewear are recommended when handling powder.

Skin Protection

Protective gloves may be used where prolonged or repeated handling occurs.

Hygiene Measures

Wash hands thoroughly after handling. Do not eat, drink or smoke while handling the material.

9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Specification / Typical Result
Appearance	White to off-white crystalline powder
Odor	Odorless
Solubility	Soluble in water
pH (1% aqueous solution)	7.00 – 8.50
Typical pH Result	7.50
Assay	≥99.00%
Typical Assay Result	99.70%
Specific Rotation	+20.0° to +22.0°
Typical Result	+21.2°
Loss on Drying	≤1.00%
Typical Result	0.35%
Residue on Ignition	≤0.10%
Typical Result	0.04%

10. STABILITY AND REACTIVITY

Reactivity: No hazardous reactivity expected under normal conditions of handling and storage.

Chemical Stability: Stable under recommended storage conditions.

Possibility of Hazardous Reactions: No hazardous polymerization is expected.

Conditions to Avoid: Excessive heat, moisture, direct sunlight and unnecessary dust generation.

Incompatible Materials: No specific incompatibilities are known under normal conditions. Avoid strong oxidizing agents.

Hazardous Decomposition Products: Carbon oxides, nitrogen oxides and other decomposition products may be generated during combustion or thermal decomposition.

11. TOXICOLOGICAL INFORMATION

No specific toxicological information is available for all routes of exposure under all conditions.

Likely Routes of Exposure

- Inhalation of dust
- Eye contact
- Skin contact
- Accidental ingestion

Acute Effects

Dust may cause mechanical irritation to the eyes and respiratory tract.

Skin Sensitization

No specific evidence of sensitization is known based on the information available for this product.

Carcinogenicity

L-Carnosine is not known to be classified as a carcinogen by commonly referenced regulatory agencies based on available information.

Mutagenicity / Reproductive Toxicity

No specific classification is available based on the information provided.

12. ECOLOGICAL INFORMATION

No comprehensive environmental toxicity data are available for the finished product.

Avoid uncontrolled release of large quantities into waterways or the environment.

The product should be handled and disposed of in accordance with applicable local regulations.

13. DISPOSAL CONSIDERATIONS

Dispose of unused material and contaminated packaging in accordance with applicable federal, provincial/state and local regulations.

Do not discharge large quantities into drains or waterways.

Empty containers should be handled according to local waste-management requirements.

14. TRANSPORT INFORMATION

Transport Regulation	Classification
DOT	Not regulated as dangerous goods based on available information
TDG (Canada)	Not regulated as dangerous goods based on available information
IMDG	Not regulated as dangerous goods based on available information
IATA	Not regulated as dangerous goods based on available information
UN Number	Not assigned
Proper Shipping Name	Not regulated

Transport Regulation Classification

Transport Hazard Class None

Packing Group None

15. REGULATORY INFORMATION

This product should be handled in accordance with applicable occupational health, workplace safety and chemical-management regulations.

For Canada, workplace classification and labeling should be determined in accordance with the applicable WHMIS requirements.

WHMIS/GHS Classification: Not classified as hazardous based on the information available.

16. OTHER INFORMATION

Product: L-Carnosine Powder

CAS No.: 305-84-0

Intended Application: Cosmetic and personal-care formulations

This product is a 100% pure and natural. It does not contain any artificial ingredients or adulteration of any kind to the best of our knowledge and specifications. The analysis and statements herein constitute the most complete information available to Botanic Planet Canada Inc. Please refer to all relevant technical information specific to the product, prior to use. This information contained in this material safety Data sheet is obtained from current and reliable sources. As an ordinary or otherwise user(s) of this product is outside the control of Botanic Planet Canada Inc., no representation or warranty, expressed or implied is made as to the effect(s) of such use (s) (including damages or injury) or any obtained. Botanic Planet Canada Inc. expressly disclaims responsibility as to the ordinary or otherwise uses. Furthermore, Botanic Planet Canada Inc. makes no claims as to the fitness for any use, and you should consider nothing container herein as a recommendation. The Liability of botanic Planet Canada Inc. is limited to the value of the goods and does not include any consequential loss. In the event of any dispute, the Customer hereby agrees that Jurisdiction is limited to the province of Ontario Canada.

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