Material Safety Data Sheet

Zinc Pyrrolidone Carboxylate

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Zinc Pyrrolidone Carboxylate
Common Name: Zinc PCA
Product Type: Cosmetic Raw Material
Appearance: Almost White Powder
Country of Origin: USA
Grade: Cosmetic / Perfumery Grade
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

SECTION 2 HAZARDS IDENTIFICATION

GHS Classification

This product is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29CFR1910.1200).

GHS Label elements, including precautionary statements Signal:

Not applicable

Hazard statement(s)

Not applicable.

Precautionary statement(s)

Not applicable.

Potential Effects:

- **Eyes:** Powder or dust may cause mechanical irritation.
- **Skin:** Prolonged contact may cause irritation in sensitive individuals.
- **Inhalation:** Airborne powder may irritate the respiratory tract.
- **Ingestion:** Not intended for ingestion.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Component	INCI Name	CAS No.	Content / Specification
Zinc Pyrrolidone Carboxylate	Zinc PCA	**15454-75-8**	100%
PCA Content	—	—	78.3–82.3% on dried basis; Batch Result: 78.53%
Zinc Content	—	—	19.4–21.3% on dried basis; Batch Result: 20.91%

SECTION 4 FIRST-AID MEASURES

Eye Contact: Immediately rinse eyes cautiously with clean water for at least 15 minutes. Remove contact lenses if present and easy to do. Obtain medical attention if irritation persists.

Skin Contact: Wash thoroughly with soap and water. Remove contaminated clothing. Seek medical advice if irritation develops or persists.

Inhalation: Move affected person to fresh air. Keep comfortable for breathing. Obtain medical attention if respiratory 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.

SECTION 5 FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Use water spray, dry chemical, carbon dioxide (CO_2), or foam appropriate for the surrounding fire.

Specific Hazards: Thermal decomposition may produce irritating fumes and metal-containing decomposition products.

Protective Equipment: Firefighters should use appropriate protective equipment and self-contained breathing apparatus where required.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Avoid generating airborne dust.

Wear appropriate gloves, protective clothing and eye protection.

Carefully sweep or vacuum spilled powder using equipment suitable for fine powders. Place collected material into a suitable closed container for disposal.

Avoid uncontrolled discharge into drains or waterways.

SECTION 7 HANDLING AND STORAGE

Handling

Handle in a manner that minimizes dust generation.

Avoid contact with eyes and prolonged contact with skin. Do not eat, drink or smoke while handling the material. Wash hands thoroughly after use.

Storage

Store in tightly closed, light-resistant containers.

Protect from:

- Direct sunlight
- Moisture
- Excessive heat

Keep in the original packaging whenever possible.

Shelf Life: 24 months when stored under the recommended conditions in the original packaging.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits: No exposure limit was provided in the supplied documentation.

Engineering Controls: Provide adequate ventilation. Local dust extraction may be appropriate for bulk handling.

Eye Protection: Safety glasses or chemical splash goggles.

Hand Protection: Suitable protective gloves.

Skin Protection: Normal protective work clothing.

Respiratory Protection: Where airborne dust cannot be adequately controlled, use appropriate particulate respiratory protection in accordance with applicable workplace requirements.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Property	Information
Appearance	Almost White Powder
pH	5.0–6.5 (10% aqueous solution)
Batch pH	5.89
PCA Content	78.3–82.3% on dried basis
Batch PCA Content	78.53%
Zinc Content	19.4–21.3% on dried basis
Batch Zinc Content	20.91%
Water Content	≤7%
Odor	Not provided
Solubility	Not provided

Property	Information
Melting Point	Not provided
Flash Point	Not provided

SECTION 10 STABILITY AND REACTIVITY

Stability: Expected to be stable when handled and stored under the recommended conditions.
Conditions to Avoid: Excessive heat, direct sunlight and moisture.
Incompatible Materials: Not specified in the supplied documentation.
Hazardous Decomposition Products: Thermal decomposition may generate irritating fumes and oxides of carbon, nitrogen and zinc-containing compounds.

SECTION 11 TOXICOLOGICAL INFORMATION

Specific toxicological test data were not provided in the supplied COA.
Possible routes of exposure include inhalation of dust, eye contact, skin contact and accidental ingestion.
Avoid unnecessary exposure to concentrated raw material.

SECTION 12 ECOLOGICAL INFORMATION

Specific ecotoxicity, persistence, biodegradability and bioaccumulation data were not provided.
Avoid unnecessary release of concentrated raw material into the environment.

SECTION 13 — DISPOSAL CONSIDERATIONS

Dispose of unused product and contaminated packaging in accordance with applicable federal, provincial and local regulations.
Do not dispose of large quantities into drains or natural waterways.

SECTION 14 — TRANSPORT INFORMATION

The supplied COA does not provide transportation classification information.
UN Number: Not established from supplied documentation
Transport Hazard Class: Not established
Packing Group: Not established
Refer to the current manufacturer's SDS before preparing regulated transportation documentation.

SECTION 15 REGULATORY INFORMATION

Product: Zinc Pyrrolidone Carboxylate / Zinc PCA

Intended Application: Cosmetic raw material

Finished cosmetic products containing this ingredient must comply with applicable regulations in the jurisdiction where the finished product is manufactured and sold.

SECTION 16 OTHER INFORMATION

None

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.