

Material Safety Data Sheet

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Centella Asiatica Extract (Asiaticoside 98%)

Product Name: Centella Asiatica Extract (Asiaticoside 98%)

Botanical Name: *Centella asiatica* L.

Common Name: Gotu Kola

Plant Part: Whole Plant

Physical Form: White Powder

Origin: India

Recommended Use: Cosmetic and personal-care formulations

Intended Applications: Skin-care products, serums, creams, lotions, masks, soothing formulations, barrier-support products and anti-aging cosmetics.

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 – HAZARD IDENTIFICATION

Based on available information, the material is not expected to be classified as hazardous under normal conditions of intended use.

Potential Routes of Exposure:

- Eye Contact: Powder or dust may cause mechanical irritation.
- Skin Contact: Prolonged exposure may cause irritation in sensitive individuals.
- Inhalation: Airborne powder may irritate the nose, throat and respiratory tract.
- Ingestion: Not intended for ingestion under this product specification.

Precautionary Measures: Avoid breathing dust. Avoid direct eye contact. Use appropriate personal protective equipment when handling bulk powder.

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS No.	Molecular Formula	Concentration
Asiaticoside	16830-15-2	C ₄₈ H ₇₈ O ₁₉	≥98.0%
Other naturally occurring constituents / residual components	—	—	≤2.0%

SECTION 4 – FIRST-AID MEASURES

Eye Contact: Immediately flush eyes with plenty of clean water for at least 15 minutes. Remove contact lenses if easily possible. Obtain medical attention if irritation persists.

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

Inhalation: Move the affected person to fresh air. Keep at rest. Seek medical attention if coughing, breathing difficulty or irritation persists.

Ingestion: Rinse mouth with water. Do not induce vomiting unless instructed by medical personnel. Seek medical advice if a significant amount has been swallowed or symptoms develop.

SECTION 5 – FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Water spray, dry chemical powder, carbon dioxide (CO₂) or foam appropriate for the surrounding fire.

Specific Hazards: Organic botanical powder may burn or decompose when exposed to sufficient heat. Combustion may generate carbon monoxide, carbon dioxide and irritating fumes.

Dust Hazard: Avoid generating excessive airborne dust and accumulation of fine powder around ignition sources.

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

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Avoid breathing airborne dust.

Wear appropriate gloves, eye protection and respiratory protection when necessary.

Carefully sweep or vacuum spilled powder using methods that minimize dust generation. Place collected material into a suitable, labeled, closed container.

Avoid releasing large quantities into drains, sewers, soil or waterways.

SECTION 7 – HANDLING AND STORAGE

Handling

Use good industrial hygiene practices. Avoid direct contact with eyes and unnecessary contact with skin. Avoid breathing dust.

Wash hands thoroughly after handling.

Keep containers closed when not in use.

Storage

Store in a cool, dry place in tightly closed containers.

Protect from:

- Direct sunlight and strong light
- Moisture and humidity
- Excessive heat
- Sources of ignition
- Incompatible materials

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

No specific occupational exposure limit has been established from the supplied product information.

Protection	Recommendation
Eye Protection	Safety glasses or protective goggles
Hand Protection	Suitable protective gloves
Respiratory Protection	Particulate/dust protection when significant airborne dust is generated
Skin Protection	Appropriate protective work clothing
Ventilation	Adequate general ventilation; local extraction where necessary

Maintain good industrial hygiene. Do not eat, drink or smoke in areas where bulk raw material is handled.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Property	Information
Appearance	White to off-white powder
Odor	Characteristic
Physical State	Powder
Active Constituent	Asiaticoside 98%
Solubility in Water	Slightly soluble / limited solubility
Solubility in Alcohol	Soluble to partially soluble depending on solvent concentration
Solubility in Oil	Practically insoluble
Loss on Drying	≤3.0%
Ash	≤1.0%; batch result 0.4%
pH	Not determined
Melting Point	Not determined for the supplied botanical extract

Property	Information
Boiling Point	Not applicable / not determined
Flash Point	Not determined
Specific Gravity	Not determined

SECTION 10 – STABILITY AND REACTIVITY

Chemical Stability: Expected to be stable under recommended storage and handling conditions.

Conditions to Avoid: Excessive heat, moisture, direct sunlight, strong light, airborne dust accumulation and ignition sources.

Incompatible Materials: Strong oxidizing agents.

Hazardous Decomposition Products: Thermal decomposition or combustion may generate carbon monoxide, carbon dioxide and other irritating decomposition products.

Hazardous Polymerization: Not expected to occur.

SECTION 11 – TOXICOLOGICAL INFORMATION

Complete toxicological data for this specific botanical extract have not been provided.

Likely Routes of Exposure: Eye contact, skin contact, inhalation and accidental ingestion.

Acute Toxicity: No product-specific acute toxicity data provided.

Skin Irritation: May cause irritation in sensitive individuals.

Eye Irritation: Dust may cause mechanical irritation.

Respiratory Effects: Airborne dust may irritate the respiratory tract.

Sensitization: No product-specific classification established from the supplied information.

Carcinogenicity: No classification established from the supplied information.

SECTION 12 – ECOLOGICAL INFORMATION

Product-specific environmental toxicity data have not been provided.

Avoid uncontrolled release of concentrated material into waterways, drains or the environment.

Persistence and Degradability: Data not available.

Bioaccumulative Potential: Data not available.

Mobility in Soil: Data not available.

SECTION 13 – DISPOSAL CONSIDERATIONS

Dispose of unused material, contaminated material and packaging according to applicable municipal, provincial/state and federal regulations.

Do not dispose of large quantities into drains or natural waterways.

SECTION 14 – TRANSPORT INFORMATION

Based on the available product information:

Transport Information	Classification
UN Number	Not assigned
UN Proper Shipping Name	Not regulated based on available information
Transport Hazard Class	Not classified
Packing Group	Not applicable
Environmental Hazard	Not established
Marine Pollutant	Not expected to be classified

Protect containers from moisture, physical damage and excessive heat during transportation.

SECTION 15 – REGULATORY INFORMATION

This product is supplied as a botanical/cosmetic raw material.

The manufacturer of the finished cosmetic product is responsible for determining the appropriate usage level, product safety, labeling and compliance with all applicable regulations in the jurisdiction where the finished product will be manufactured or sold.

Regulatory status should be independently verified for the intended market and application.

SECTION 16 – OTHER INFORMATION

Quality Specifications

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 contained 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.

