

## Material Safety Data Sheet

### 1. Identification of the substance or preparation

<b>Product Name:</b>	Centella Asiatica Extract
<b>Synonyms</b>	Gotu Kola Extract
<b>Application:</b>	<b>Food additives or raw material of cosmetic</b>
<b>Supplier:</b>	XI'AN NATURAL FIELD BIO-TECHNIQUE CO., LTD Add.: 4-1-1019, I-City, No.11 South Tangyan Road, Xi'an, 710065, China Tel: 0086-29-87973630

### 2. Composition/information on ingredients.

<b>Chemical Description:</b>	Off-white fine powder.
<b>Ingredient name:</b>	Asiaticoside, Hydroxy asiaticoside, Asiatic acid, Hydroxy asiatic acid
<b>CAS number:</b>	84696-21-9

### 3. Hazards identification

Under normal conditions of use, this product is not harmful to health.

### 4. First aid measures

<b>Skin contact:</b>	Clean skin with soap and water. Wash contaminated clothing before re-use.
<b>Eye contact:</b>	Immediately wash eyes with copious amounts of water. Assure adequate flushing of the eyes by separating the eyelids with fingers. If irritation persists, seek medical attention.
<b>Inhalation:</b>	Remove to fresh air, rest and keep warm. In severe cases or if symptoms persist, seek medical attention.
<b>Ingestion:</b>	This product is edible, but need further process before eat. Wash out mouth with copious amounts of water.

### 5. Fire fighting measures

In the event of a fire involving this material, alone or in combination with other materials, use water, dry powder or carbon dioxide extinguishers. Protective clothing and self-contained breathing apparatus should be worn.

### 6. Accidental release measures

<b>General Information:</b>	Use proper personal protective equipment as indicated in Section 8.
<b>Environmental Precautions:</b>	Take measures to reduce the impact on groundwater, prevent substance entering drains, watercourses and sewers.
<b>Spills/Leaks:</b>	Absorb spill with inert material (e.g. vermiculite, sand or earth), then

place in suitable container.

## 7. Handling and storage

<b>Handling:</b>	Not necessary to use more than the normal hygiene precautions; Keep the package sealed when not use.
<b>Storage:</b>	Well-closed, store in cool & dry place, away from moisture and direct sunlight

## 8. Exposure Controls / PPE

<b>Engineering Controls:</b>	No special protection under normal circumstances.
<b>Personal Protective Equipment</b>	
<b>Eyes:</b>	Wear splash goggles.
<b>Skin:</b>	Wear appropriate protective gloves.
<b>Clothing:</b>	Wear appropriate protective clothing.
<b>Respirators:</b>	No special protection under normal circumstances. But it is recommended to wear masks.

## 9. Physical and chemical properties

<b>Appearance:</b>	Off-white to pale yellow fine powder.
<b>Order:</b>	Characteristic
<b>Solubility:</b>	Not available
<b>Boiling point:</b>	Not available
<b>Melting Point:</b>	Not available
<b>I.R (sample:KBr=1:150):</b>	Not available
<b>U.V. Spectrum:</b>	Not available
<b>NMR:</b>	Not available
<b>LC/Mass:</b>	Not available
<b>Optical rotation (Anhydrous form):</b>	Not available
<b>Viscosity:</b>	Not available
<b>pH:</b>	Not available
<b>Auto ignition Temperature:</b>	Not available

## 10. Stability and reactivity

<b>Chemical Stability:</b>	Stable.
<b>Conditions to Avoid:</b>	Incompatible materials, exposure to moist air, flames or sparks.
<b>Incompatibilities with Other Materials:</b>	Strong oxidizing agents, strong acids, strong bases.
<b>Hazardous Decomposition Products:</b>	Carbon monoxide, Oxides of Nitrogen.
<b>Hazardous Polymerization:</b>	Will not occur.

## 11. Toxicological information

<b>RTECS#:</b>	Not listed
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<b>LD50/LC50:</b>	Not available.
<b>Carcinogenicity:</b>	Not listed
<b>Other:</b>	No toxicity and irritant.

## 12. Ecological information

No data.

## 13. Disposal consideration

Dispose of in a manner consistent with federal, state, and local regulations.

## 14. Transportation information

Non-hazardous for air and ground transportation.

## 15. Regulatory information

<b>Indication of Danger:</b>	N/A
<b>Risk Statement:</b>	No harmful to health.
<b>Safety Statement:</b>	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

## 16. Other information

This MSDS is correct to the best of our knowledge and belief at the date of its publication but we cannot accept liability for any loss, injury or damage which may result from its use. It is the responsibility of the handlers of the product to pass on the information contained in this document to any subsequent persons who come into contact with, handle or use the product in any way. They should check the adequacy of the information contained in the safety data sheet received before passing in onto their customers. The information given in the Data Sheets is designed only as a guidance for safe handling, storage and the use of the substance. It is not a specification nor does it guarantee any specific properties. All chemicals should be handled only by competent personnel, within a controlled environment.