Safety Data Sheet (SDS) - Centella Asiatica Extract

According to Regulation (EC) No 1907/2006 (REACH), as amended by Regulation (EU) 2020/878
Version 1.2, 23-Nov-2026

Section 1. Identification of the substance/mixture and of the company

Product name:	Centella Asiatica Extract; asiaticoside >=1.0%
Recommended uses:	Ingredient for professional formulation, analytical and R&D use
Uses advised against:	Uses not permitted by applicable legislation; household or non-professional use
Catalogue Number:	NST-8-17
Supplier:	NATURE SCIENCE TECHNOLOGIES Ltd Briezu 11, Lapsas, Latvia, LV-2107 Phone: +371 24220280 Email: sales@nstchemicals.com Website: www.nstchemicals.com Emergency: Latvian Poison Information Centre +371 67042473 (24/7)

Section 2. Hazards identification

Classification:	Regulation (EC) No 1272/2008 (CLP): Not classified as hazardous. No hazard pictogram. No signal word. No hazard statements required. Precautionary advice: Avoid generating or breathing dust. Use adequate ventilation. Wear gloves and eye protection where exposure is possible. Wash thoroughly after handling. Other hazards: Fine airborne organic dust may form a combustible dust atmosphere. Dust may cause mechanical irritation. PBT, vPvB and endocrine-disrupting properties have not been established.

Section 3. Composition/information on ingredients

Chemical name:	Centella asiatica extract; asiaticoside >=1.0% (HPLC specification). Botanical source: Centella asiatica L. Urban, whole herb. Extraction solvents: water and ethanol. Supplied-grade composition: 90-100% Centella Asiatica Extract; 0-10% Maltodextrin. Carrier / excipient: Maltodextrin (0-10%).
Synonyms:	Gotu kola extract; Hydrocotyle asiatica extract; Centella asiatica whole herb extract
Chemical formula:	Not applicable to this botanical UVCB extract
Molecular weight:	Not applicable to this botanical UVCB extract
CAS No:	84696-21-9
EC No.	283-640-5

Section 4. First aid measures

Inhalation:	Move to fresh air and keep at rest. Obtain medical advice if coughing, breathing difficulty or other symptoms develop or persist.
Skin:	Remove contaminated clothing. Wash skin thoroughly with soap and water. Obtain medical advice if irritation or rash develops or persists.
Eyes:	Rinse cautiously with water for at least 15 minutes. Remove contact lenses if present and easy to do. Continue rinsing. Obtain medical advice if irritation persists.
Ingestion:	Rinse mouth. Do not induce vomiting. Obtain medical advice if symptoms occur. Never give anything by mouth to an unconscious person.

Section 5. Firefighting measures

Extinguishing media suitable:	Water spray, foam, dry extinguishing powder or carbon dioxide. Use measures appropriate to the surrounding fire.
Special protection of fire-fighters:	Wear self-contained breathing apparatus and full protective equipment. Combustion may produce carbon monoxide, carbon dioxide and irritating fumes. Dispersed organic dust may be combustible.

Section 6. Accidental release measures

Personal precautions:	Avoid dust formation and inhalation. Ensure ventilation. Wear suitable gloves and eye protection. Keep unnecessary personnel away.
Environmental precautions:	Prevent entry into drains, surface water and soil. Notify authorities if a significant release reaches water or drains.
Methods for cleaning up:	Collect mechanically or with a HEPA-filtered vacuum without generating dust. Place in a closed, labelled container for disposal and clean the area.

Section 7. Handling and storage

Handling:	Handle in a well-ventilated area. Minimise dust. Avoid inhalation, ingestion and contact with eyes, skin and clothing. Wash thoroughly after handling.
Storage:	Store tightly closed in a cool, dry, well-ventilated place. Protect from strong light and heat. Keep away from strong oxidising agents. Supplier specification shelf life: 24 months under recommended conditions.

Section 8. Exposure controls/personal protection

Engineering measures:	No substance-specific occupational exposure limit has been established. Apply applicable nuisance-dust limits. Use local exhaust ventilation and provide eyewash facilities.
Hygiene measures:	Wash hands and exposed skin after handling and before breaks. Do not eat, drink or smoke in work areas. Remove contaminated clothing before reuse.
Personal protective equipment:	Respiratory: suitable particulate-filter respirator where dust forms or ventilation is insufficient. Hands: protective gloves appropriate to the task, e.g. nitrile.
Skin and body:	Protective work clothing appropriate to the scale and duration of exposure.
Eyes:	Safety glasses with side shields or tightly fitting safety goggles.

Section 9. Physical and chemical properties

Physical state:	Solid, fine powder
Colour:	Brown to light brown
Odour:	Characteristic
Molecular Weight:	Not applicable to this botanical UVCB extract
Melting point:	No data available
pH:	No data available
Boiling point:	No data available; decomposition may occur before boiling
Solubility:	No product-specific solubility data available
Explosive properties:	Not classified as explosive. Fine airborne organic dust may form a combustible dust atmosphere. Bulk density specification: not more than 0.8 g/mL; at least 95% passes 80 mesh.

Section 10. Stability and reactivity

Stability:	Stable under recommended storage and normal handling conditions. Protect from strong light and heat.
Materials to avoid:	Strong oxidising agents, excessive heat, ignition sources and strong light. Avoid dust accumulation.
Hazardous decomposition products:	Carbon monoxide, carbon dioxide and irritating fumes may form during combustion or thermal decomposition.

Section 11. Toxicological information

Acute toxicity:	Not classified for acute toxicity. Literature data for powdered Centella asiatica extract report an oral LD50 in rats greater than 2500 mg/kg.
Skin corrosion/irritation:	Based on available data, classification criteria for skin corrosion or irritation and serious eye damage or irritation are not met. Dust may cause mechanical irritation.
Respiratory or skin sensitisation:	Sensitisation data are incomplete. Contact dermatitis has been reported in some persons using topical gotu kola preparations; discontinue exposure if a rash develops.
CMR effects:	Available data do not permit a definitive conclusion for germ-cell mutagenicity, carcinogenicity or reproductive toxicity; minimise exposure.
Signs and symptoms of exposure:	Dust may cause mechanical irritation of the eyes, skin or respiratory tract.
Potential health effects:	No product-specific target-organ toxicity data are available.
Inhalation:	Dust may irritate the respiratory tract; no CLP respiratory-irritation classification is assigned.
Skin:	No adequate product-specific repeated-exposure data are available.
Eyes:	Dust may cause mechanical eye irritation; no CLP eye-irritation classification is assigned.
Ingestion:	Health injury is not expected under normal handling; large amounts may cause gastrointestinal discomfort.
Other information:	Avoid ingestion and unnecessary dust exposure; follow the protective measures in Section 8.

Section 12. Ecological information

Ecotoxicity:	Not classified as hazardous to the aquatic environment based on available information. Avoid uncontrolled release.
Persistence and degradability:	Product-specific persistence, degradability, bioaccumulation and mobility data are limited.
Other adverse effects:	PBT, vPvB and endocrine-disrupting properties have not been established. Collect spills and contaminated cleaning materials.

Section 13. Disposal considerations

Product:	Dispose of contents through a licensed waste contractor in accordance with local, regional and national requirements. Do not discharge to drains.
Contaminated packaging:	Empty completely. Treat contaminated packaging as the product. Recycle only thoroughly cleaned packaging where permitted.

Section 14. Transport information

ADR/RID:	Not regulated as dangerous goods under ADR/RID. No UN number, transport hazard class or packing group assigned.
IMDG:	Not regulated as dangerous goods under IMDG. Not classified as a marine pollutant.
IATA:	Not regulated as dangerous goods under IATA. No UN number, transport hazard class or packing group assigned.

Section 15. Regulatory information

EU regulatory information:	Prepared in accordance with Regulation (EC) No 1907/2006 (REACH), Annex II, as amended by Regulation (EU) 2020/878. Classification and labelling assessed under Regulation (EC) No 1272/2008 (CLP), as amended. A chemical safety assessment has not been carried out by the supplier.

Section 16. Other information

Notice to reader:	Version 1.2; revision date 23-Nov-2026. Section 3 was updated to state the supplied-grade composition and carrier/excipient: 90-100% Centella Asiatica Extract; 0-10% Maltodextrin; carrier/excipient: Maltodextrin (0-10%). Hazard classification and transport information are unchanged. Revised to retain only general grade specifications. Classification is based on current supplier information for powdered Centella asiatica extract, CAS 84696-21-9. Product identity and quality properties derive from the applicable specification limits. This information is provided in good faith as guidance for safe handling, storage, transport and disposal and is not a warranty of product properties. Users remain responsible for suitability and legal compliance.