

Material Safety Data Sheet

Stevioside

Section 1: Chemical Product and Company Identification

Product Name: Stevioside

Chemical Name: Stevia

Customs Tariff No: 13021991

Synonym Name: Stevia rebaudiana

Chemical Formula:



Company Information:

Chemtrade International

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Section 2: Composition and Information on Ingredients

Composition:

Name	CAS No.	EINECS No.	%by weight
Stevioside	57817-89-7	260-975-5	98.0%

Section 3: Hazards Identification

Not classified as dangerous according to directive 67/548/EEC or its amendments.

Section 4: First Aid Measures

Eye Contact: Wash with water or standard eye wash solution. Seek medical advice if irritation occurs and persists.

Oral Ingestion: Essentially edible in small quantity with bland to bitter sweet aftertaste.

Skin Contact: Wash with water and mild soap.

Section 5: Fire and Explosion Data

Combustible but presents no special fire hazard.

Extinguishing media: Treat as oil fire when stored in HDPE drums with CO₂, dry foam or dry chemical.

Protective Equipment: Standard Equipment

Section 6: Accidental Release Measures

Absorb into an inert material and scrape up.

Remove residue by scrubbing with hot water or detergent solution.

Section 7: Handling and Storage

Store in sealed containers under normal cool, dry warehousing conditions

Section 8: Exposure Controls/Personal Protection

In accordance with good industrial practice and handling, use standard eye protection.

Section 9: Physical and Chemical Properties

Physical Form: Oily Liquid
Color: Almost Colorless
Odor: Odorless
Boiling Point: N/A
Melting Point: +2 to -2
Viscosity @ 20°C: --
Flash Point: N/A
Flammability Solid/Gas: N/A
Auto Flammability: -
Specific Refractive: 1.434 – 1.437
Explosive Properties: N/A
pH (100% Concentrate): 4.5-6.5
Oxidizing Properties: N/A
Vapor Pressure: N/A
Density: 0.840 – 0.890
Water Solubility: Insoluble
Other Solubility: In Most Cosmetic Solvents
Partition Coefficient: -
(Octanol/Water): -
Exclusive Limits

Section 10: Stability and Reactivity Data

Thermal Decomposition: Stable under normal conditions of use.

Section 11: Toxicological Information

Oral: LD50 < 36,000 MG/KG (Body Wt.) Ratio. Essentially non-toxic and edible in small quantity.
Dermal: Expected to be essentially non-toxic
Inhalation: Slight Ethanolic Sting – irritation
Toxic Effects:
Skin: Primary Irritation Index (PII): 0.0 (Non-irritating – Skintex) Not a primary irritant. Non irritant / Non-sensitizer as per repeated patch insult test on 50 human volunteers.
Human Repeated Patch Test 48 hours: 50/50 completely non-irritating/ non-erythema causing ingredient at 10% concentrate in water on 50 human volunteers.
Eye: Very Mild/ Minimal – Not a transient Conjunctival Irritant at 10% concentrate in water (Eyetex classification).

Section 12: Ecological Information

Biodegradation: Expected to be ultimately biodegradable.
Fish Toxicity: No Data
Bacterial & Viral Toxicity: No Data
WGK Class: WGK (Self-Classification)

Section 13: Disposal Considerations

Dispose of according to Local, State, and Federal regulations.

Section 14: Transport Information

UN Number: N/A
UN Name: Not Assigned
IMDG Code/ Class: Not Hazardous
IMDG Code Page No: N/A
ICAO/IATA Air Class: Non-Hazardous
ICAO/IATA Air Class Packing Group: N/A
RID/ADR Class: Non-Hazardous

ADNR Class: Non-Hazardous

Section 15: Other Regulatory Information

Occupational Exposure Limits: N/A

Section 16: Other Information

Supplementary Dietary/ Food Use: N/A

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