



Material Safety Data Sheet (MSDS)

Product Name: Stevia Extract 95%

MSDS Generate Date: 20-05-2017

Revision Date: 30-12-2024

Supplier:

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1. Identification of the Substance/Preparation and Company

Product Name: Stevia Extract 95%

Synonyms: Stevioside, Stevia Rebaudiana Extract

Chemical Formula: C₃₈H₆₀O₁₈

Recommended Use: Natural sweetener for food, beverages, dietary supplements, and pharmaceuticals.

2. Hazards Identification

Classification: Not classified as hazardous according to GHS.

Hazard Statements: None known.

Precautionary Statements: Avoid inhalation of powder. Prevent contact with eyes.

Potential Health Effects:

- **Inhalation:** May cause mild respiratory irritation if dust is inhaled.
- **Eye Contact:** May cause mild irritation.
- **Skin Contact:** Non-irritating to skin.
- **Ingestion:** Safe when used as intended in food.

3. Composition / Information on Ingredients

Chemical Name: Stevia Extract (Steviol Glycosides 95%)

CAS Number: 58543-16-1

EINECS Number: 611-407-5

Purity: ≥ 95% Steviol Glycosides

4. First Aid Measures

Inhalation: Move to fresh air. Seek medical attention if symptoms persist.

Skin Contact: Wash with soap and water.

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses if present.

Ingestion: Rinse mouth and drink water if large amounts are swallowed. Seek medical advice if discomfort occurs.

5. Fire-Fighting Measures

Suitable Extinguishing Media: Water spray, dry chemical powder, foam, or CO₂.

Unsuitable Media: None known.

Specific Hazards: May produce CO, CO₂, and other organic vapors if burned.

Protective Equipment: Use self-contained breathing apparatus and protective clothing.

6. Accidental Release Measures

Personal Precautions: Avoid dust formation. Use appropriate protective equipment.

Environmental Precautions: Prevent release into drains or watercourses.

Cleaning Methods: Sweep or vacuum spillage and place in suitable containers for disposal.

Avoid creating dust.

7. Handling and Storage

Handling: Handle with care to avoid dust generation. Use in well-ventilated areas.

Storage: Store in a cool, dry, and well-ventilated area. Keep tightly sealed and away from direct sunlight and moisture.

8. Exposure Controls / Personal Protection

Exposure Limits: Not established.

Engineering Controls: Provide adequate ventilation.

Personal Protective Equipment:

- **Respiratory Protection:** Dust mask recommended.
 - **Eye Protection:** Safety glasses with side shields.
 - **Skin Protection:** Gloves recommended.
 - **Hygiene Measures:** Wash hands after handling.
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9. Physical and Chemical Properties

Appearance: White to off-white fine powder

Odor: Characteristic, faintly sweet

Taste: Sweet, about 200–300 times sweeter than sucrose

Solubility: Soluble in water and ethanol

Melting Point: > 195°C (decomposes)

pH (1% solution): 5.0 – 7.0

Bulk Density: 0.45 – 0.75 g/cm³

Moisture: ≤ 5%

10. Stability and Reactivity

Stability: Stable under normal storage conditions.

Conditions to Avoid: Excessive heat, humidity, and light exposure.

Incompatible Materials: Strong oxidizing agents.

Decomposition Products: Carbon oxides and organic vapors when burned.

11. Toxicological Information

Acute Toxicity: Non-toxic. LD50 (rat, oral) > 15,000 mg/kg.

Skin Corrosion/Irritation: Non-irritating.

Eye Damage/Irritation: Mild irritation possible.

Carcinogenicity: Not classified as carcinogenic by IARC, NTP, or OSHA.

Mutagenicity: Negative in standard tests.

Reproductive Toxicity: None known.

12. Ecological Information

Ecotoxicity: Not expected to be harmful to aquatic or terrestrial organisms.

Persistence and Degradability: Biodegradable.

Bioaccumulation: No potential for bioaccumulation.

Mobility in Soil: Low mobility in soil due to solubility in water.

13. Disposal Considerations

Dispose of in accordance with local, regional, or national regulations.

Avoid release into the environment. Non-hazardous waste; may be disposed of as general waste if uncontaminated.

14. Transport Information (Detailed)

UN Number: Not applicable (non-hazardous).

UN Proper Shipping Name: Stevia Extract 95%

Transport Hazard Class: Not classified as hazardous for transport.

Packing Group: Not applicable.

Marine Pollutant: No.

Environmental Hazards: Not dangerous to the environment.

Transport in Bulk (IMDG/IMO): Permitted in standard packaging.

Special Precautions for User:

- Ensure containers are tightly closed and properly labeled.
- Avoid mechanical shock or rough handling.
- Protect from moisture and direct sunlight during transport.

Regulatory Transportation Modes:

- **ADR/RID (Road/Rail):** Not regulated.
- **IMDG (Sea):** Not regulated.
- **IATA/ICAO (Air):** Not regulated.

Additional Notes:

Stevia Extract 95% is classified as **non-dangerous goods** under international transport regulations (UN, IATA, IMDG, DOT). It can be safely transported in fiber drums, HDPE containers, or aluminum foil bags, provided packaging remains intact and moisture-proof.

15. Regulatory Information

Regulation Compliance:

- Follows FAO/WHO JECFA specifications for Steviol Glycosides.
 - Approved by FDA and EFSA for use as a natural sweetener.
 - Not listed as hazardous under Indian Factories Act or global chemical regulations.
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16. Other Information

Disclaimer:

The information provided in this MSDS is based on current knowledge and experience as of the revision date. It is intended to describe the product for health, safety, and environmental requirements only and should not be construed as guaranteeing specific properties.

- **MSDS Generate Date:** 20-05-2017
- **Revision Date:** 30-12-2024
- **Website:** www.rawpharmabiz.com
- MSDS are based on the manufacturer's provided information.