

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION

Product Name: E960 Steviol glycosides

Specification: Rebaudioside A 60% SG 95%

Chemical Name: Rebaudioside A (13-[(2-O-β-D-glucopyranosyl-3-O-β-D-glucopyranosyl-β-D-glucopyranosyl)oxy]kaur-16-en-18-oic acid, β-D-glucopyranosyl ester)

Formula: C₄₄ H₇₀ O₂₃

Molecular Weight: 967.01 g/mol

CAS No.: 58543-16-1

2. COMPOSITION ON INGREDIENTS

Total Content of Steviol Glycosides and Derivatives:

	Proportion %
Rebaudioside A	≥60%
Total Steviol Glycosides	≥95%

3. HAZARD IDENTIFICATION

Potential Acute Health Effects: Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.

Potential Chronic Health Effects:

CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available.

TERATOGENIC EFFECTS: Not available.DEVELOPMENTAL TOXICITY: Not available.

Repeated or prolonged exposure is not known to aggravate medical condition.

4. FIRST AID MEASURES

Eye Contact:

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

Skin Contact: Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.

Serious Skin Contact: Not available.

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation: Not available.

Ingestion:

Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Serious Ingestion: Not available.

5. FIRE FIGHTING MEASURES**Fire Hazards in Presence of Various Substances:**

Slightly flammable to flammable in presence of heat.

Explosion Hazards in Presence of Various Substances:

Slightly explosive in presence of open flames and sparks. Non-explosive in presence of shocks.

Fire Fighting Media and Instructions:

SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam.
Do not use water jet.

Special Remarks on Fire Hazards: As with most organic solids, fire is possible at elevated temperatures.

Special Remarks on Explosion Hazards:

Organic dusts can form explosive mixtures in air. Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

6. ACCIDENTAL RELEASE MEASURES**Small Spill:**

Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill:

Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

7. HANDLING AND STORAGE

Precautions: Keep away from heat. Keep away from sources of ignition. Do not breathe dust.

Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area.

Avoid it from any poisonous, harmful, easily spoilage or pollutant things.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Engineering Controls:**

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels low. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants low.

Personal Protection: Safety glasses. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:

Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: granular

Color: White to light yellow powder.

Odor: Odorless or having a light characteristic odor.

pH: Between 4.5 and 7.0 (1 in 100 solution)

Solubility: sparingly soluble in water.

Loss on Drying: Not more than 5% (105°, 2h)

Boiling point: 1103.5 °C at 760 mmHg.

Melting point: 242-244 °C.

Flash point: 320.2 °C.

10. STABILITY AND REACTIVITY DATA

Stability: Stable under the recommended storage and handling conditions (See Section 7), with a shelf life of two years.

Hazardous decomposition products: Not available

11. TOXICOLOGY INFORMATION

Safe as food ingredient, extracted from leaves of *Stevia rebaudiana* Bertoni plant.

12. ECOLOGY INFORMATION

Fully degradable glycosides.

13. DISPOSAL CONSIDERATIONS

Waste Disposal:

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

14. TRANSPORT INFORMATION

RID/ADR: Non-hazardous for road transport.

IMDG: Non-hazardous for sea transport.

IATA: Non-hazardous for air transport.

15. REGULATORY INFORMATION

Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008

This product is not classified as dangerous according to Directive 67/548/EEC.

Label elements

The product does not need to be labelled in accordance with EC directives.

16. OTHER INFORMATION

The information above is believed to be accurate and represents the best information currently available to us. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release, and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text. Users should make their own investigation to determine the suitability of the information for their particular purposes. In no event shall Shandong Tangle be liable for any claims, losses or damages of any third party or for lost profits or any special, incidental, consequential or exemplary damages, even if Shandong Tangle has been advised of the possibility of such damages.