

# Chemical Safety Data Sheet

Revision date: 2026-01-04  
product name: Glyceryl tribenzoate

SDS number: ST-26  
version: 2

## Section 1 – Chemical Product & Company Information

**Chemical Chinese name:** 甘油三苯甲酸酯(三苯精)

**English name of the chemical:** Glycerol tribenzoate; Tribenzoin; 1, 2, 3-Propanetriol, tribenzoate

**Company Name:** Zhejiang Synose Tech Co., Ltd.

**Production enterprise address:** No. 158, Fumin Road, Tangxi Town, Wucheng District, Jinhua City

**Postal code:** 321017

**contact number:** 86-579-82275537

**Email address:** expo@synose.com

**emergency call:** 0579-89128083

**Product recommendation and limited use:** plasticizer, Organic synthesis intermediates and pharmaceutical intermediates.

## Section 2 – Hazards Identification

**GHS risk category:** Not a dangerous substance or mixture according to the Globally Harmonized System (GHS).

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

### GHS label elements

Pictograms: No data available

Warning word: No data available

Danger information: No data available

Precaution: No data available

Accident response: No data available

Safe storage: No data available

Disposal: No data available

**Physical and chemical dangers:** No data available

**Health hazards:** No data available

**Environmental hazard:** No data available

## Section 3 – Composition/Information On Ingredients

Chemical Name	Concentration, %	CAS No.
Glycerol tribenzoate	≥98.0	614-33-5

## Section 4 – First Aid Measures

**skin contact:** Wash with soap and plenty water.

**eye contact:** Flush eyes with water as a precaution.

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

**Ingestion:** Never give anything by mouth to an unconscious person. Rinse mouth with water.

**The main symptoms and effects (both acute and delayed):** No data available

## Section 5 – Fire Fighting Measures

**Hazardous characteristics:** May be combustible at high temperature. Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

**Hazardous combustion products:** No data available

**Fire fighting methods:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Fire fighting precautions and measures:** Wear self contained breathing apparatus for fire fighting if necessary.

## Section 6 – Leakage Emergency Treatment

**Worker protective measures, protective equipment and emergency procedures:** No data available

**Environmental protection measures:** Do not let product enter drains.

**Methods and materials for containment and disposal of spilled chemicals:** No data available

**Preventive measures against secondary hazards:** No data available

## Section 7 – Handling And Storage

**Operational notes:** Avoid dust formation. Avoid breathing vapors, mist or gas.

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection. Keep away from heat and sources of ignition. Wear suitable protective clothing. Avoid contact with skin and eyes.

**Storage notes:** Keep container tightly closed. Keep container in a dry and well-ventilated area. Keep away from incompatibles such as oxidizing agents.

## Section 8 – Contact Control / Personal Protection

**Contact limit:** No data available

**Monitoring method:** No data available

**engineering control:** Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

**Respiratory protection:** Dust respirator.

**Hand protection:**Gloves.

**Eye protection:**Safety glasses.

**Skin and body protection:** Lab coat. Be sure to use an approved/certified respirator or equivalent.

**Other protection:**No data available

## Section 9 – Physical And Chemical Properties

**Appearance and traits:** White solid particles or powder

**pH:** no data available

**Melting point(°C):** 70 to 74° C.

**Boiling point(°C):** no data available

**Relative density (water = 1):** no data available

**Relative vapor density (air = 1):** no data available

**Saturated vapor pressure (kPa):** no data available

**Heat of combustion (kJ/mol):** no data available

**Critical temperature (° C):** no data available

**Critical pressure (MPa):** no data available

**Octanol/water partition coefficient:** no data available

**Flash point (° C):** no data available

**Ignition temperature (° C):** no data available

**Lower explosion limit [%(V/V)]:** no data available

**Upper explosion limit [%(V/V)]:** no data available

**Solubility:** no data available

## Section 10 – Stability And Reactivity

**stability:**Stable under recommended storage conditions.

**Conditions to avoid:**Incompatible chemicals, moisture, dust generation, excess heat.

**Incompatible materials:**Strong oxidizing agents.

**Dangerous decomposition products:**Carbon oxides.

## Section 11 – Toxicological Information

**Acute toxicity:**no data available

**Skin irritation or corrosion:** May be harmful if absorbed through skin. May cause skin irritation.

**Eye irritation or corrosion:**May cause eye irritation.

**Respiratory or skin sensitization:** May be harmful if inhaled. May cause respiratory tract irritation.

**Germ cell mutagenicity:** no data available

**Carcinogenicity:**IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**Reproductive toxicity:**To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

**Specific target organ toxicity – single exposure:** no data available

**Specific target organ system toxicity – repeated exposure:** no data available

**Aspiration hazard:** May be harmful if swallowed.

## Section 12 – Ecological Information

**Ecological toxicology:** no data available

**Persistence and degradability:** no data available

**Potential bioaccumulation:** no data available

**Mobility in the soil:** no data available

**Other harmful effects:** no data available

## Section 13 – Disposal Considerations

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

**Disposal considerations:** Handle in accordance with local laws and regulations.

## Section 14 – Transport Information

**United Nations dangerous goods number:** The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

**UN transport name:** no data available

**United Nations Classification of Hazards:** no data available

**Marine pollutants (yes/no):** no data available

**Transportation considerations:** no data available

## Section 15 – Regulatory Information

**Regulatory Information:** Safety, health and environmental regulations/legislation specific for the substance or mixture.

EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances (EINECS No. 210-379-6).

TSCA 8(b) inventory: Glyceryl Tribenzoate.

Canada: Listed on Canadian Domestic Substance List (DSL).

Australia: Listed on AICS.

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Chemical Safety Assessment For this product a chemical safety assessment was not carried out.

## Section 16 – Other Information

**Latest revision date:** 2026-01-04

**Modify the description:** This SDS is prepared in accordance with the “Contents and Project Sequence of Chemical Safety Data Sheets” (GB/T16483).

**Training recommendations:** Provide sufficient information and instructions for the trainers.

**Disclaimer:** This SDS provides all relevant information in a comprehensive and authentic manner, but does not guarantee its absolute breadth and accuracy, and is intended as a guide only. This SDS is based on our current knowledge and safety precautions applicable to this product and does not represent any guarantee of product performance. We are obliged to describe and inform the product of any hazards and preventive measures. The user who obtains the SDS must make an independent judgment on the applicability of the SDS under special conditions of use. Our company will not be responsible for the damage caused by the use of this SDS in special use situations.