

Polymer Add (Thailand) Co.,Ltd.

Office - 106, Chalaremprikiat, Lor 9, Soi 22, Yak 5, Nongbon, Prawet, Bangkok, Thailand 10250

Factory - 188/3, Moo 8, Tambon Bangpu Mai, Amphoe Muang Samut Prakan, Samutprakan, Thailand 10280

Mobile - Thai : 0804531391, English: 0839415475, E-mail – contact@polymeradd.co.th



SAFETY DATA SHEET (SDS)

Product Name: Sucrose Benzoate

1. Identification of the Substance/Mixture and of the Company/Undertaking

Field	Information
Product Name	Sucrose Benzoate
CAS Number	12738-64-6
Relevant Identified Uses	Plasticizer in biodegradable polymers, coatings, inks, and adhesives
Uses Advised Against	Not for food, drug, or cosmetic use without further processing
Supplier	Polymer Add (Thailand) Co., Ltd
Office Address	106, Chalaremprikiat, Lor 9, Soi 22, Yak 5, Nongbon, Prawet, Bangkok, Thailand 10250
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2. Hazards Identification

Field	Description
Classification (CLP)	Not classified as hazardous under Regulation (EC) No. 1272/2008
Classification (67/548/EEC)	Not classified as dangerous
Label Elements (CLP)	No pictograms, signal words, or hazard statements
Supplemental	EUH210: Safety data sheet available on request

3. Composition/Information on Ingredients

Substance	CAS No	EC No	Purity
Sucrose Benzoate	12738-64-6	235-795-5	≥ 99%

4. First Aid Measures

General Advice	Remove from exposure. Seek medical attention if discomfort develops.
Inhalation	Move to fresh air. Seek medical attention if respiratory symptoms occur.
Skin Contact	Wash with soap and water. Remove contaminated clothing.
Eye Contact	Rinse thoroughly with water for at least 15 minutes. Seek medical attention if irritation persists.
Ingestion	Rinse mouth. Do not induce vomiting unless directed by medical personnel. Seek medical attention.

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5. Firefighting Measures

Extinguishing Media	Water spray, dry chemical, CO ₂ , foam
Hazards	May release CO, CO ₂ , and benzoic acid fumes upon combustion
Protective Equipment	Self-contained breathing apparatus and protective clothing recommended

6. Accidental Release Measures

Personal Precautions	Avoid dust generation. Use appropriate PPE.
Environmental Precautions	Prevent material from entering waterways or drains.
Clean-Up Methods	Sweep or vacuum without raising dust. Store in sealed containers. Dispose of in accordance with regulations.

7. Handling and Storage

Handling	Avoid dust inhalation. Use in a well-ventilated area.
Storage	Store in a cool, dry, well-ventilated area in tightly closed containers. Protect from humidity and heat.
Explosion/Fire Risk	Not flammable but handle with dust control measures.

8. Exposure Controls / Personal Protection

Field	Information
OEL	Not established
Engineering Controls	Local exhaust ventilation recommended
PPE	Safety goggles, gloves, dust mask (P2/P3)
Environmental Controls	Prevent spillage and dust dispersion into environment

9. Physical and Chemical Properties

Property	Value
Appearance	White to off-white powder
Odour	Mild ester odor
pH (5% suspension)	~6.0–7.0
Melting Point	93-100 °C
Boiling Point	Not applicable (decomposes)
Flash Point	Not applicable
Flammability	Non-flammable
Vapour Pressure	Negligible
Relative Density	~1.3 g/cm ³
Solubility in Water	Insoluble
Partition Coefficient (log Kow)	Not available
Auto-Ignition Temperature	Not available
Decomposition Temp.	>180 °C

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Explosive Properties	None known
Oxidizing Properties	None

10. Stability and Reactivity

Stability	Stable under normal conditions.
Hazardous Reactions	None known.
Incompatible Materials	Strong oxidizing agents, strong acids.
Decomposition Products	CO, CO ₂ , benzoic acid derivatives.

11. Toxicological Information

Test	Result
Oral LD₅₀ (rat)	> 2000 mg/kg (estimated)
Skin Irritation	Not irritating in standard tests
Eye Irritation	May cause mild, transient irritation
Sensitization	No sensitization observed
Mutagenicity / Carcinogenicity	Not classified based on available data

12. Ecological Information

Organism	Test	Result
Fish	LC ₅₀ (96 h)	> 100 mg/L
Daphnia	EC ₅₀ (48 h)	> 100 mg/L
Algae	EC ₅₀ (72 h)	> 100 mg/L

Conclusion: Not expected to pose significant environmental hazard under normal use.

13. Disposal Considerations

Product Waste	Dispose in accordance with local regulations. Incineration preferred.
Contaminated Packaging	Clean before reuse or dispose of properly.
Waste Code (EU)	07 02 99 – Waste from manufacture of plasticizers, not otherwise specified

14. Transport Information

Mode	Classification	Remarks
ADR/RID	Not regulated	Not classified as dangerous
IMDG	Not regulated	Not a marine pollutant
ICAO/IATA	Not regulated	Safe for air transport
DOT (USA)	Not regulated	Non-hazardous

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15. Regulatory Information

REACH	Exempt or registered as intermediate
CLP (EC No. 1272/2008)	Not classified
US TSCA	Listed
Canada DSL	Listed
EINECS/ELINCS	Listed (EINECS 235-795-5)
AICS, ENCS, IECSC, KECI, PICCS, NZIoC	Listed

16. Other Information – Sucrose Benzoate (CAS 12738-64-6)

SDS Version: 1.0 / 2025

Date of Preparation: July 2025

Reason for Issue: Initial issue in SDS format

Abbreviations:

CAS – Chemical Abstracts Service

CLP – Classification, Labelling and Packaging

REACH – Registration, Evaluation, Authorisation and Restriction of Chemicals

LD₅₀ – Median Lethal Dose

EC₅₀ – Half Maximal Effective Concentration

Disclaimer:

This Safety Data Sheet is intended to provide basic safety information for handling and storage. It does not represent a warranty or specification of product characteristics. The user is responsible for ensuring safe use and regulatory compliance in their specific application.