

# Polymer Add (Thailand) Co.,Ltd.

Office - 106, Chalarempriakiat, 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](mailto:contact@polymeradd.co.th)



## SAFETY DATA SHEET (SDS)

**Product Name:** DBS (Micronized)

**CAS Number:** 32647-67-9

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

Field	Information
Product Name	1,3:2,4-Dibenzylidene-D-sorbitol (Micronized)
CAS Number	32647-67-9
Relevant Identified Uses	Clarifying agent and nucleating agent for polypropylene and polyolefin applications
Uses Advised Against	Not intended for food, pharma, or cosmetic use unless tested and certified
Supplier	Polymer Add (Thailand) Co., Ltd
Office Address	106, Chalarempriakiat, Lor 9, Soi 22, Yak 5, Nongbon, Prawet, Bangkok, Thailand 10250
Factory Address	188/3, Moo 8, Bangpu Mai, Muang Samut Prakan, Samutprakan, Thailand 10280
Mobile (Thai)	0804531391
Mobile (English)	0839415475
Email	<a href="mailto:contact@polymeradd.co.th">contact@polymeradd.co.th</a>

### 2. Hazards Identification

Field	Description
Classification (CLP)	Not classified under Regulation (EC) No. 1272/2008
Classification (67/548/EEC)	Not classified
Label Elements	No hazard pictograms or signal words required
Supplemental	EUH210: Safety Data Sheet available on request

### 3. Composition/Information on Ingredients

Substance	CAS No	EC No	Purity
1,3:2,4-Dibenzylidene-D-sorbitol	32647-67-9	251-146-5	≥ 98%

### 4. First Aid Measures

- **General Advice:** No specific hazards under normal conditions of industrial use.
- **Inhalation:** Move to fresh air. Seek medical attention if symptoms persist.
- **Skin Contact:** Wash with water and soap. Seek medical attention if irritation occurs.
- **Eye Contact:** Rinse thoroughly with water for several minutes. Remove contact lenses. Consult a physician if irritation persists.

# Polymer Add (Thailand) Co.,Ltd.

Office - 106, Chalarempriakiat, 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](mailto:contact@polymeradd.co.th)



- **Ingestion:** Rinse mouth thoroughly. Do not induce vomiting. Seek medical advice if discomfort occurs.

## 5. Firefighting Measures

- **Extinguishing Media:** Foam, dry chemical, CO<sub>2</sub>, or water spray
- **Fire Hazards:** May emit CO, CO<sub>2</sub> and benzaldehyde vapors when burned. Dust may be explosive in air.
- **Protective Equipment:** Firefighters should wear full protective gear and a self-contained breathing apparatus.

## 6. Accidental Release Measures

- **Personal Precautions:** Avoid dust formation. Use PPE including gloves, goggles, and mask.
- **Environmental Precautions:** Avoid discharge into drains and surface waters.
- **Clean-Up Methods:** Use non-sparking tools. Sweep or vacuum without generating dust. Dispose in accordance with local regulations.

## 7. Handling and Storage

- **Handling:** Use in well-ventilated areas. Avoid contact with skin and eyes. Prevent dust buildup.
- **Storage:** Store in tightly sealed containers in a cool, dry, and ventilated location. Keep away from oxidizing agents.

## 8. Exposure Controls / Personal Protection

Field	Information
OEL (TWA)	Not specifically established; use general dust limits (10 mg/m <sup>3</sup> inhalable, 5 mg/m <sup>3</sup> respirable)
Engineering Controls	Local exhaust ventilation if dust is generated
PPE	Dust mask (P2), goggles, chemical-resistant gloves
Environmental Controls	Avoid uncontrolled release to the environment

## 9. Physical and Chemical Properties

Property	Value
Appearance	White to off-white crystalline powder
Odour	Odourless or faint benzaldehyde-like
pH	Not applicable

# Polymer Add (Thailand) Co.,Ltd.

Office - 106, Chalaremprikat, 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



Melting Point	~220 – 230 °C
Boiling Point	Not applicable (decomposes)
Flash Point	>250 °C
Flammability	Dust may form flammable mixtures
Vapour Pressure	Negligible
Relative Density	~1.15 – 1.25
Solubility in Water	Insoluble
Auto-Ignition Temperature	>400 °C
Decomposition Temperature	>260 °C
Explosive Properties	Dust explosion possible under airborne conditions
Oxidizing Properties	None

## 10. Stability and Reactivity

- **Stability:** Stable under normal handling and storage conditions.
- **Hazardous Reactions:** None known under normal processing.
- **Incompatible Materials:** Strong oxidizing agents, acids
- **Decomposition Products:** CO, CO<sub>2</sub>, and aromatic aldehydes

## 11. Toxicological Information

Test	Result
Oral LD <sub>50</sub> (rat)	>5000 mg/kg
Skin Irritation	Not irritating
Eye Irritation	May cause mechanical irritation
Sensitization	Not expected
Carcinogenicity	Not listed by IARC, NTP, or OSHA

## 12. Ecological Information

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

**Conclusion:** Poor water solubility. Not expected to bioaccumulate. Low risk to aquatic life under normal use conditions.

## 13. Disposal Considerations

- **Product Waste:** Dispose in accordance with local regulations. Not classified as hazardous waste.

# Polymer Add (Thailand) Co.,Ltd.

Office - 106, Chalaremprikat, 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



- **Contaminated Packaging:** Empty completely and dispose in accordance with local requirements.
- **Waste Code (EU):** 07 02 13 – Waste from manufacture of plastic additives

## 14. Transport Information

Mode	Classification	Remarks
ADR/RID (Road/Rail)	Not regulated	Non-hazardous
IMDG (Sea)	Not regulated	Not marine pollutant
ICAO/IATA (Air)	Not regulated	Not restricted
DOT (USA)	Not regulated	Not classified as dangerous

## 15. Regulatory Information

- **REACH:** Polymer additive, exempt from full registration
- **CLP (EC No. 1272/2008):** Not classified
- **Inventories:** Listed or exempt in TSCA, DSL, AICS, IECSC, ENCS, KECI, PICCS, NZIoC

## 16. Other Information – 1,3:2,4-Dibenzylidene-D-sorbitol

- **SDS Version:** 1.0 / 2025
- **Date of Preparation:** July 2025
- **Reason for Issue:** First SDS issued for micronized technical grade

### Abbreviations:

CAS – Chemical Abstracts Service

CLP – Classification, Labelling and Packaging

REACH – Registration, Evaluation, Authorisation and Restriction of Chemicals

LD<sub>50</sub> – Median Lethal Dose

EC<sub>50</sub> – Half Maximal Effective Concentration

### Disclaimer:

This SDS is provided for safe industrial handling and transportation only. It does not constitute a technical specification or guarantee of product properties. Polymer Add (Thailand) Co., Ltd shall not be held liable for improper use.