

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



SAFETY DATA SHEET (SDS)

Product Name: SODIUM BENZOATE (Micronized)

CAS Number: 532-32-1

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

Field	Information
Product Name	SODIUM BENZOATE (MICRONIZED)
CAS Number	532-32-1
Relevant Identified Uses	Nucleating agent, preservative, acid scavenger, and pH stabilizer in plastics, coatings, adhesives, VCI films, and other industrial applications
Uses Advised Against	Not intended for food or pharmaceutical use unless specifically tested and certified
Supplier	Polymer Add (Thailand) Co., Ltd
Office Address	106, Chalarempriakiat, Lor 9, Soi 22, Yak 5, Nongbon, Prawet, Bangkok, Thailand 10250
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2. Hazards Identification

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

3. Composition/Information on Ingredients

Substance	CAS No	EC No	Purity
Sodium Benzoate	532-32-1	208-534-8	≥ 99% (micronized grade)

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 develop.
- **Skin Contact:** Wash skin with soap and water.

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- **Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses. Get medical attention if irritation persists.
- **Ingestion:** Rinse mouth. Non-toxic in small amounts. Seek medical advice if large quantity is ingested.

5. Firefighting Measures

- **Extinguishing Media:** Water spray, dry chemical, foam, or carbon dioxide
- **Fire Hazards:** Decomposes on heating to produce CO, CO₂, and benzoic acid vapors. Fine dust may form explosive mixture in air.
- **Protective Equipment:** Firefighters should wear full protective gear and self-contained breathing apparatus.

6. Accidental Release Measures

- **Personal Precautions:** Avoid breathing dust. Use PPE (dust mask, gloves, goggles).
- **Environmental Precautions:** Prevent entry into sewers or waterways.
- **Clean-Up Methods:** Vacuum or sweep up without generating dust. Avoid dry sweeping. Dispose of in accordance with local regulations.

7. Handling and Storage

- **Handling:** Avoid dust formation. Handle in well-ventilated areas. Avoid contact with skin and eyes.
- **Storage:** Store in tightly closed containers in a cool, dry, and ventilated location. Protect from heat and moisture.

8. Exposure Controls / Personal Protection

Field	Information
OEL (TWA)	Not specifically regulated; follow general dust limits: 10 mg/m ³ (inhalable), 5 mg/m ³ (respirable)
Engineering Controls	Use local exhaust ventilation where dust is generated
PPE	Dust mask (P2), safety goggles, gloves
Environmental Controls	Prevent release into the environment

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9. Physical and Chemical Properties

Property	Value
Appearance	White crystalline or micronized powder
Odour	Odourless
pH (1% soln)	~7–8
Melting Point	>300 °C (decomposes)
Boiling Point	Not applicable
Flash Point	Not applicable
Flammability	Not flammable, but dust may be combustible
Vapour Pressure	Negligible
Relative Density	~1.44
Solubility in Water	Soluble (~63 g/L at 20 °C)
Auto-Ignition Temperature	Not determined
Decomposition Temperature	>300 °C
Explosive Properties	Dust explosion risk under extreme conditions
Oxidizing Properties	None

10. Stability and Reactivity

- **Stability:** Stable under normal storage and use conditions
- **Hazardous Reactions:** None under recommended use
- **Incompatible Materials:** Strong oxidizing agents, strong acids
- **Decomposition Products:** Carbon monoxide, carbon dioxide, benzoic acid vapors

11. Toxicological Information

Test	Result
Oral LD ₅₀ (rat)	~2100 mg/kg
Skin Irritation	Not irritating
Eye Irritation	May cause mild mechanical irritation
Sensitization	Not expected
Carcinogenicity	Not classified by IARC, NTP, or OSHA

12. Ecological Information

Organism	Test Type	Result
Fish	LC ₅₀ (96 h, <i>Oncorhynchus mykiss</i>)	460 mg/L
Daphnia	EC ₅₀ (48 h, <i>Daphnia magna</i>)	484 mg/L
Algae	EC ₅₀ (72 h, <i>Pseudokirchneriella subcapitata</i>)	650 mg/L

Conclusion: Readily biodegradable. Low potential for bioaccumulation. Avoid uncontrolled environmental release.

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13. Disposal Considerations

- **Product Waste:** Dispose of in accordance with local regulations. Not classified as hazardous waste.
- **Contaminated Packaging:** Clean containers thoroughly before reuse or disposal.
- **Waste Code (EU):** 07 06 99 – Waste not otherwise specified

14. Transport Information

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

15. Regulatory Information

- **REACH:** Registered / Pre-registered
- **CLP (EC No. 1272/2008):** Not classified
- **Inventories:** Listed in TSCA, DSL, AICS, IECSC, ENCS, KECI, PICCS, NZIoC

16. Other Information – Sodium Benzoate (CAS 532-32-1)

- **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

LD₅₀ – Median Lethal Dose

EC₅₀ – Half Maximal Effective Concentration

Disclaimer:

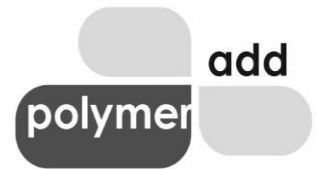
This SDS is intended solely for industrial handling, storage, and transportation. It is not a product

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