

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) POTASSIUM BENZOATE CAS Number: 582-25-2

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

Field	Information
Product Name	POTASSIUM BENZOATE
CAS Number	582-25-2
Relevant Identified Uses	Preservative, corrosion inhibitor, pH stabilizer, and functional additive in plastics, coatings, adhesives, and industrial formulations
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
Factory Address	188/3, Moo 8, Bangpu Mai, Muang Samut Prakan, Samutprakan, Thailand 10280
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Email	contact@polymeradd.co.th

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
Potassium Benzoate	582-25-2	209-481-3	≥ 99% (micronized grade)

4. First Aid Measures

- **General Advice:** No specific hazards under normal industrial use conditions.
- **Inhalation:** Move to fresh air. Seek medical attention if symptoms persist.
- **Skin Contact:** Wash with soap and water.
- **Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses if present. Seek medical attention if irritation continues.
- **Ingestion:** Rinse mouth. Low toxicity in small amounts. Seek medical advice if large quantities are ingested.

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5. Firefighting Measures

- **Extinguishing Media:** Water spray, dry chemical, foam, or CO₂
- **Fire Hazards:** Decomposes on heating to produce CO, CO₂, and benzoic acid vapors. Dust may form explosive mixtures in air
- **Protective Equipment:** Full protective gear and self-contained breathing apparatus

6. Accidental Release Measures

- **Personal Precautions:** Avoid inhalation of dust. Use PPE (mask, gloves, goggles)
- **Environmental Precautions:** Prevent entry into drains and waterways
- **Clean-Up Methods:** Vacuum or sweep carefully without generating dust. Dispose according to regulations

7. Handling and Storage

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

8. Exposure Controls / Personal Protection

Field	Information
OEL (TWA)	Not specifically regulated; use general dust limits: 10 mg/m ³ (inhalable), 5 mg/m ³ (respirable)
Engineering Controls	Local exhaust ventilation recommended
PPE	Dust mask (P2), safety goggles, gloves
Environmental Controls	Avoid environmental release

9. Physical and Chemical Properties

Property	Value
Appearance	White crystalline or micronized powder
Odour	Odourless
pH (1% soln)	~7-8
Melting Point	~200-210 °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	Highly soluble (~600 g/L at 20 °C)

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Auto-Ignition Temperature	Not determined
Decomposition Temperature	>200 °C
Explosive Properties	Dust explosion risk under extreme conditions
Oxidizing Properties	None

10. Stability and Reactivity

- **Stability:** Stable under normal conditions
- **Hazardous Reactions:** None under recommended use
- **Incompatible Materials:** Strong oxidizing agents, strong acids
- **Decomposition Products:** CO, CO₂, benzoic acid vapors

11. Toxicological Information

Test	Result
Oral LD ₅₀ (rat)	~3400 mg/kg
Skin Irritation	Not irritating
Eye Irritation	May cause mild irritation
Sensitization	Not expected
Carcinogenicity	Not classified

12. Ecological Information

Organism	Test Type	Result
Fish	LC ₅₀ (96 h)	~484 mg/L
Daphnia	EC ₅₀ (48 h)	~650 mg/L
Algae	EC ₅₀ (72 h)	~700 mg/L

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

13. Disposal Considerations

- Dispose according to local regulations
- Not classified as hazardous waste
- Clean packaging before reuse or disposal
- EU Waste Code: 07 06 99

14. Transport Information

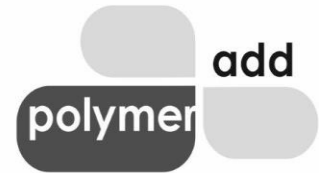
Mode	Classification	Remarks
ADR/RID	Not regulated	Non-dangerous goods
IMDG	Not regulated	Not marine pollutant
ICAO/IATA	Not regulated	Not restricted

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DOT	Not regulated	Not hazardous
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15. Regulatory Information

- REACH: Registered / Pre-registered
- CLP: Not classified
- Listed in global inventories (TSCA, DSL, AICS, IECSC, etc.)

16. Other Information – Potassium Benzoate (CAS 582-25-2)

- SDS Version: 1.0 / 2025
- Date of Preparation: July 2025
- Reason: New SDS aligned with Sodium Benzoate format

Disclaimer:

This SDS is intended for industrial handling, storage, and transportation. It is not a product specification. Polymer Add (Thailand) Co., Ltd disclaims liability for misuse.

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