

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: Potassium Sorbate

CAS Number: 24634-61-5

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

Field	Information
Product Name	Potassium Sorbate
CAS Number	24634-61-5
Relevant Identified Uses	Food preservative, mold and yeast inhibitor, cosmetic and pharmaceutical ingredient
Uses Advised Against	Not recommended for use in strongly acidic or oxidizing conditions
Supplier	Polymer Add (Thailand) Co., Ltd
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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
Potassium Sorbate	24634-61-5	246-376-1	≥ 98%

4. First Aid Measures

- **General Advice:** Remove from exposure. Seek medical advice if symptoms persist.
- **Inhalation:** Move to fresh air. Get medical attention if discomfort occurs.
- **Skin Contact:** Wash skin with soap and water. Remove contaminated clothing.

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- **Eye Contact:** Rinse with water for several minutes. Remove contact lenses. Seek medical attention if irritation persists.
- **Ingestion:** Rinse mouth. Do not induce vomiting. Seek medical attention if large amounts are ingested.

5. Firefighting Measures

- **Extinguishing Media:** Water spray, foam, dry chemical, or CO₂
- **Hazards:** Thermal decomposition may release irritating gases (carbon oxides)
- **Protective Equipment:** Use self-contained breathing apparatus and full protective clothing

6. Accidental Release Measures

- **Personal Precautions:** Avoid dust formation. Use PPE
- **Environmental Precautions:** Prevent entry into watercourses and drains
- **Clean-Up Methods:** Sweep up or vacuum with suitable equipment. Avoid dust generation

7. Handling and Storage

- **Handling:** Avoid contact with eyes and skin. Use in well-ventilated areas
- **Storage:** Keep container tightly closed in a dry, cool, well-ventilated place
- **Explosion/Fire Risk:** Non-flammable. Minimize dust generation

8. Exposure Controls / Personal Protection

Field	Information
OEL	Not established
Engineering Controls	Local exhaust ventilation
PPE	Safety glasses, gloves, dust mask (P2)
Environmental Controls	Prevent release into environment

9. Physical and Chemical Properties

Property	Value
Appearance	White crystalline powder
Odour	Faint characteristic odour
pH (1% solution)	7–9
Melting Point	~270 °C (decomposes)

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Boiling Point	Not applicable
Flash Point	Not applicable
Flammability	Non-flammable
Vapour Pressure	Not applicable
Relative Density	~1.36 (water = 1)
Solubility in Water	Soluble (~58 g/100 mL at 20 °C)
Partition Coefficient	log Kow: -1.26
Auto-Ignition Temperature	Not available
Decomposition Temp.	> 270 °C
Explosive Properties	None
Oxidizing Properties	None

10. Stability and Reactivity

- **Stability:** Stable under recommended storage conditions
- **Hazardous Reactions:** None known under normal conditions
- **Incompatible Materials:** Strong oxidizers, strong acids
- **Decomposition Products:** Carbon oxides (CO, CO₂)

11. Toxicological Information

Test	Result
Oral LD₅₀ (rat)	4920 mg/kg
Skin Irritation	Not irritating (may cause mild irritation in sensitive individuals)
Eye Irritation	May cause mild irritation
Sensitization	Not sensitizing in standard tests
Chronic Toxicity	Not classified as carcinogenic, mutagenic, or reprotoxic

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: Low aquatic toxicity. Biodegradable. Not persistent in environment.

13. Disposal Considerations

- **Product Waste:** Dispose of according to local regulations. Can be landfilled or incinerated with proper controls

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- **Contaminated Packaging:** Empty containers may be reused after cleaning or disposed of as industrial waste
- **Waste Code:** 02 03 99 – Wastes not otherwise specified (EU)

14. Transport Information

Mode	Classification	Remarks
ADR/RID (Road/Rail)	Not regulated	Not classified as dangerous
IMDG (Sea)	Not regulated	Not marine pollutant
ICAO/IATA (Air)	Not regulated	Safe for air transport
DOT (USA)	Not regulated	Not hazardous

15. Regulatory Information

- **REACH:** Registered
- **CLP (EC No. 1272/2008):** Not classified
- **US TSCA:** Listed
- **Canada DSL:** Listed
- **EINECS/ELINCS:** Listed (EINECS 246-376-1)
- **AICS, ENCS, IECSC, KECI, PICCS, NZIoC:** Listed

16. Other Information – Potassium Sorbate (CAS 24634-61-5)

- **SDS Version:** 1.0 / 2025
- **Date of Preparation:** June 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 provided based on current knowledge and regulatory information. It is not a specification or guarantee of product characteristics. The user assumes responsibility for ensuring safe handling and appropriate use of this material in their operations.