



Specialized in chemicals

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Technical Data Sheet

Tartaric acid

Product Information

Product Name: Tartaric acid

Catalog Codes: SLT1033, SLT3616, SLT1600

CAS#: 87-69-4

RTECS: WW7875000

TSCA: TSCA 8(b) inventory: L-Tartaric acid

CI#: Not available.

Synonym: 2,3-Dihydroxybutanedioic acid; L-(+)-Tartaric Acid; Malic acid, 3-hydroxy-; Succinic acid, 2,3-dihydroxy

Chemical Name: Tartaric Acid

Chemical Formula: $\text{HOOC}(\text{CHOH})_2\text{COOH}$

Physical Properties

Appearance: colorless translucent crystals or white powder

Specification

Assay(Titration),% ≥ 99.0

Loss on drying 0.2%

Heavy Metal Unit(Pb unit) 0.0001% Max.

Specific rotation $+12.00^\circ$ $-+12.80^\circ$

Applications

Tartaric acid is widely used as acidulant in beverage, and other foods, such as soft drinks, wine, candy, bread and some colloidal sweetmeats. With its optical activity, L(+)-Tartaric acid is used as chemical resolving agent to resolve DL-amino-butanol, an intermediate for antitubercular drug. And it is used as chiral pool to synthesize tartarate derivatives. With its acidity, it is used as catalyst in the resin finishing of polyester fabric or pH value regulator in oryzanol production. With its complexation, L(+)-Tartaric acid is used in electroplating, sulfur removal and acid pickling. It is also used as complexing agent, screening agent or chelating agent in chemical analysis and pharmaceutical inspection, or as resist agent in dyeing. With its reduction, it is used as reductive agent in manufacturing mirror chemically or imaging agent in photography. It can also complex with metal ion and can be used as cleaning agent or polishing agent of metal surface.

Packaging

25kg in fiber drum

Storage & Handling

Precautions:

Keep container dry. Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate

the residue under a fume hood. Ground all equipment containing material. Do not breathe dust. Never add water to this

product. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If you

feel unwell, seek medical attention and show the label when possible. Avoid contact with skin and eyes.

Keep away from

incompatibles such as oxidizing agents, reducing agents, alkalis.

Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area.

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