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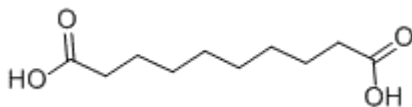
Site: www.tnjchem.com

Technical Data Sheet

Sebacic Acid

Product Information

Chemical Name	Sebacic Acid
CAS #	111-20-6
Formula	C ₁₀ H ₁₈ O ₄
Molecular Weight	202.25
Synonyms	decanedioic acid
Chemical Structure	



Description

White granular powder. Melting point 153°F. Slightly soluble in water. Sublimes slowly at 750 mm Hg when heated to melting point.

Physical Properties

Melting point, °C .	133-137 °C(lit.)
Boiling range, °C	294.5 °C100 mm Hg(lit.)
Density @ 20°C, g/cm ³	1.21
Flash point, °C	220

Specification

Item	Specification
Appearance	White crystals or powder
Color	≤35
Melting point, °C	131.0~134.50
Water, %	≤0.30
Ash, %	≤0.08
Assay,%	≥99.50
Acid Value, mg KOH/g	553

Safety

Hazardous in case of ingestion. Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of inhalation. Always refer to the Material Safety Data Sheet (MSDS)

Applications

It is widely used in producing cold resistance plasticizer, solvent, softener and additives, such as dimethyl sebacate, dimethyl sebacate, dioctyl sebacate, dibutyl sebacate, diisopropyl sebacate, polyesters and its derivatives. It is also the raw material for producing heat resistance lubricant oil, epoxy solidified agent, sebacic anhydride, synthetic lubricating grease, man-made perfumery and pharmaceuticals.

Packaging

25kg/bag
18mt per 20ft container

Storage & Handling

Precautions:

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 ingest. Do not breathe dust. If ingested, seek medical advice immediately and show the container or the label.

Storage:

Keep container dry. Keep in a cool place. Ground all equipment containing material. Keep container tightly closed. Keep in a cool, well-ventilated place. Combustible materials should be stored away from extreme heat and away from strong oxidizing agents.

Always refer to the Material Safety Data Sheet (MSDS) for detailed information on handling and disposal.

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