

Stannic Chloride Pentahydrate

Product data

Chemical formula	SnCl ₄ • 5H ₂ O
CAS No	10026-06-9
Solubility	Soluble in water
Delivery form	White to yellow solid

Analysis

Purity	≥99.00%
Sulfate (SO ₄)	≤0.005%
Iron (Fe)	≤0.001%
Arsenic (As)	≤0.0005%
Antimony (Sb)	≤0.005%
Non-sludging to H ₂ S (as SO ₄)	≤0.05%

Application

Synthetic materials

-Stannic chloride can have addition reaction with organic matter, such as alcohol, ether, aldehyde, ketone, carboxylic acid, ester, unsaturated hydrocarbon, amine, etc., it is the raw materials for the synthesis of methyl tin, butyltin and other organic tin chemical products;

-Stannic chloride can be reduced to stannous chloride by metal tin, and it can also be used as raw materials for the production of stannic dioxide, sodium stannate and other inorganic tin chemical products.

Catalysts

- Esterification reaction
- Ketalization
- Aldolization
- Dehydration reaction
- Synthesis of diene and heterocyclic ring

Others

- Treatment for glass surfaces to form conductive coatings to improve their wear resistance

Storage

Stannic Chloride Pentahydrate has a shelf life up to 12 months if stored correctly in dry areas and in its original closed packaging. Keep away from light and stored at room temperature, it should be used at once after opening to prevent moisture absorption.

Packaging

25kg/drum

Special advice for security

Information concerning:

- classification and labelling according to the regulations governing transport and hazardous chemicals
 - protective measures for storage and handling
 - safety measures in case of accident and fire
 - toxicity and ecological effects
- are given in our material safety data sheets.