Technical Data Sheet

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Stannous chloride

Product Identification

Product name : Stannous chloride
Chemical Formula : $SnCl_2$
CAS No. : 7772-99-8

Physical and Chemical Properties

Property	Value / Description
Purity	98.5% min
Physical State	Crystalline powder
Color	White
Density	3.90 – 3.95 g/cm³
Melting Point	37 °C
Boiling Point	623 °C
Solubility in Water	178 g/ℓ (20 °C, pH: 1~14)
Stability	Stable but moisture-sensitive; oxidizes to oxychloride in air
Reactivity	Powerful reducing agent; reacts violently with oxidizers; incompatible with strong bases, reactive metals, hydrogen peroxide

Applications

Chemical intermediate, reducing agent in organic and inorganic synthesis, mordant in dyeing, textile industry, manufacture of tin compounds, silvering mirrors, preservatives, ink stain remover

Packing

20kg net in sealed containers

Shipping Regulations

UN No.3260

Safety Information

Harmful if swallowed. Causes severe skin burns and eye damage.
May cause an allergic skin reaction.
Harmful if inhaled. Harmful to aquatic life with long lasting effects.

***The information provided herein is for reference purposes only, and the user is responsible for determining the suitability of the product for their specific application.