

Stannous Methanesulfonate

Concentrated tin-ion source for methanesulfonate electroplating and metal finishing.

CAS No. 53408-94-9	EC / List No. 401-640-7	Transport Class 8 — Corrosive
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Product Information

Concentrated tin-ion source for methanesulfonate electroplating and metal finishing.

Specifications

Parameter	Specification
Appearance	Clear, colourless to pale-yellow liquid
Sn(II) content	>300 g/L
Colour	≤15 APHA
Sulfate, as SO ₄	≤5 ppm
Relative density, water = 1	1.55
Iron(III)	≤20 ppm
Chloride, as Cl	≤5 ppm
Heavy metals	≤20 ppm

Grade-specific supply limits. The agreed specification and batch COA govern delivery.

Typical Properties

Property	Typical Value
Molecular formula	C ₂ H ₆ O ₆ S ₂ Sn
Molecular weight	308.91 g/mol

Applications

Methanesulfonate tin electroplating: Tin-ion feedstock for qualified acidic tin plating baths.

High-speed metal finishing: Raw material for controlled connector, wire and strip tin-finishing systems.

Tin-alloy electrolyte development: Tin component for technically supervised alloy plating formulations.

Packaging / Storage

Item	Information
Packing	30 kg / 250 kg polyethylene drums
Storage	Store tightly closed in a cool, dry, ventilated corrosives area with compatible secondary containment. Keep away from oxidizers and incompatible metals; prevent leakage and excessive heat.
Handling	Use controlled liquid transfer with effective local exhaust. Wear acid-resistant gloves, splash goggles, face protection and protective clothing. Avoid all contact and mist; keep eyewash and emergency washing facilities accessible.

Company Contact

Supplier	Hainan Zhongxin Chemical Co., Ltd. (ZXCHEM)
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