Summary Technical Data Sheet

Stannous Methanesulfonate 300 g/L

Product Name: Stannous Methanesulfonate
Synonyms: Tin (II) Methanesulfonate,
CAS Number: 53408-94-9
Formula: $C_2H_6O_6S_2Sn$
Appearance: water white to pale yellow liquid
Odour: none or faint SO_3 odour
Solubility: miscible in water

Product Specifications

Properties	Specifications
Stannous Tin Metal (g/L)	285 - 315
Free Methane Sulfonic Acid	20-85
Specific Gravity	1.485-1.58
Iron (Fe, ppm)	≤ 0.003%
Copper (Cu, ppm)	≤ 0.0005 %
Lead (Pb)	≤ 0.002 %
Zinc (Zn)	≤ 0.0005 %

Stannous Methanesulfonate is a high quality and high purity product that is particularly effective in tin plating and electroless plating. In the electronics industry, stannous methanesulfonate is utilized to create conductive coatings on printed circuit boards (PCBs) and electrical connectors. By depositing a thin layer of metal, it helps to form reliable electrical connections and ensures efficient signal transmission within electronic devices. In the automotive sector, this compound plays a crucial role in plating components like engine parts, fuel system parts, and connectors. The metal layer deposited using stannous methanesulfonate helps to improve the strength, durability, and resistance to wear and corrosion of these components, thereby enhancing their overall performance and longevity. The aerospace industry extensively utilizes stannous methanesulfonate for electroless plating applications. It enables the deposition of metal layers on aircraft components, such as avionic systems, connectors, and radar systems. These coatings provide enhanced conductivity and corrosion protection, ensuring the reliability and longevity of critical aerospace equipment.

Storage and Handling: Store in a cool, dry and well-ventilated place and in a tightly closed container.

Packaging: 24 kg UN tight heads and 315 kg UN drums.
Transport Regulations: CORROSIVE LIQUID ACIDIC, ORGANIC N.O.S. (Stannous Methane Sulfonate, Sulfonate, Alkyl Sulfonic Acid) Class 8, UN 3265, Packing Group II.

READ THE SDS BEFORE USING THIS PRODUCT

The above information, while not guaranteed, reflects our analysis and believed to be accurate. It is the end user's responsibility, prior to use of the above mentioned product to determine the suitability of the product. Aqua Bond shall not be, directly or indirectly responsible for damages of anynature whatsoever resulting from the use or reliance upon the above information.

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