



DA-20
Tin Concentrate
Product No 50100

DA-20, the latest tin product from Innochem, is a source of highly concentrated stannous methane sulfonate. Common generic tin methane sulfonate contains elevated levels of free methane sulfonic acid (MSA) resulting in acid growth within the electrolyte during the plating operation. To maintain process efficiency it is therefore necessary to dilute the plating solution and add tin to return to optimum plating parameters. The use of DA-20 prevents acid build up from tin concentrate additions and removes excess free acid developed in the course of the plating operation.

Advantages / Benefits:

- Generic tin methane sulfonate typically contains in excess of 60 grams of free MSA above the stoichiometric amount for each liter of product. A liter addition to a bath will raise the tin content by 400 grams (in the case of 400 g/l product) and the free acid by 60 grams.
- DA-20 has been manufactured to contain less than 20% of the stoichiometric amount of the sulfonate component. A liter addition of DA-20 will therefore raise the tin content by 400 grams but reduce the free acid by 128 grams.
- DA-20 helps maintains optimum process efficiency through close control of acid-to-metal ratio

Applications:

A direct replacement for Tin Methane Sulfonate in tin plating solution make-up and replenishment. Reduction of free MSA content in tin plating solutions.

Note:

For control of rapid increases in free acid concentration, as encountered with inert anode operation, it is recommended that STANNOX (product # 50502) be used.

Ordering Information:

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| 50105 | DA-20 | 5 gallon (Contains 400g/l Tin metal) |
| 50155 | DA-20 | 55 gallon (Contains 400 g/l Tin metal) |

**Any Questions regarding the use of this product please consult InnoChem
or your local representative.**