



**STANNOX**  
**Tin Replenisher**  
Product No 50502

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STANNOX, the latest tin replenishment product from Innochem, is a source of highly concentrated stannous tin in a fluid base. It offers particular advantages for electroplating installations where metal replenishment by the addition of solution concentrates leads to chemistry imbalance. STANNOX can be used for tin replenishment in acid tin plating bath to provide the metal component in new solution make-up.

**Advantages / Benefits:**

- **STANNOX**, when used as a source of tin for pure tin and tin-lead plating processes utilizing insoluble anodes, prevents acid build up
- **STANNOX** is an effective service tool in neutralizing excess acid in the plating systems.
- **STANNOX** maintains optimum process efficiency through close control of acid-to-metal ratio

**Applications:**

1. Baths with insoluble anodes

A tin process running at 100% efficiency will remove 220 grams of tin metal for each 100 ampere hour. To replenish this lost metal requires 440 grams of STANNOX (*at 50% stannous tin content*).

2. Baths with excess acid

High acid levels in the process result in a loss of plating efficiency, an addition of STANNOX will effectively reduce the free acid level and return the process to optimum condition.

*100 grams of STANNOX (at 50% stannous tin content) will neutralize approximately 41 grams of H<sub>2</sub>SO<sub>4</sub> in a sulfate process and raise the Sn<sup>2+</sup> by 50 grams.*

STANNOX is supplied in a slurry form. It is packaged in a 11-lb plastic bag, which is called "unit". Each unit contains 6-lbs of stannous tin (Sn<sup>2+</sup>).

If less than one unit is to be added to the process, the container should be shaken vigorously to produce a homogeneous mixture. This allows more accurate additions to be made.

**Ordering Information:**

50502 STANNOX UNIT (11-lb unit contains 6 lbs Stannous Tin per unit)

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