

# Techni ECO Antioxidant

## Carcinogen-Free Tin Process



### Safer and Easy to Install Antioxidant for Tin and Tin Alloy Plating

Technic has led the industry in technology that slows the degradation of divalent tin ( $\text{Sn } 2+$ ) to tetravalent tin ( $\text{Sn } 4+$ ). In response to the demand for safer, more responsible, carcinogenic-free products, Technic has developed a new alternative - Techni Eco Antioxidant.

Techni ECO Antioxidant effectively minimizes the oxidation of stannous tin in tin and tin alloy plating solutions. Unlike traditional, carcinogenic tin antioxidants, Techni ECO Antioxidant effectively prevents tin oxidation and inhibits the formation of tetravalent tin sludge without any carcinogens.

Techni ECO Antioxidant is highly effective, easy to install, simple to analyze, and can be used to replace traditional tin antioxidants in all Technic tin and tin alloy plating processes.

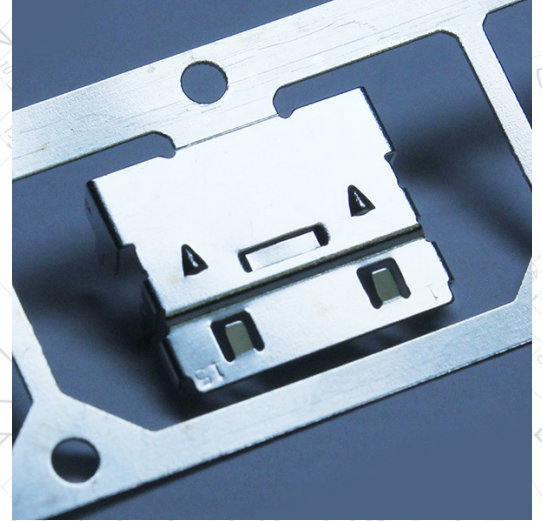
With Techni ECO Antioxidant, it's possible to perform a running conversion to replace the current antioxidant, providing a safer working environment and a more efficient operation for Tin and Tin Alloy processes.

#### Features

- Carcinogen free
- Inhibits oxidation of stannous tin
- Highly stable in all Technic plating solutions (no oil-out)
- Slide conversion capable
- Easily analyzable
- Liquid product

#### Benefits

- Provides safer working environment
- Significantly reduces sludge buildup in tanks
- Minimizes solution turbidity during operation
- Improves anode functionality
- Reduces the cost of tin replenishment
- Can be used in reel-to-reel, barrel, and rack plating applications



# Techni ECO Antioxidant

Product Number	Product Name
ATD310104	Techni Antioxidant #8
ATD401601	Technistan Antioxidant
ATD310103	Techni Antioxidant #7
45041	Antioxidant SA-2
060136	Antioxidant SA

The chart to the left lists the most commonly used Technic Tin antioxidant products. All of which can be replaced with Techni ECO Antioxidant:

## Plating Solution Turbidity Comparison



## Oxygen Bubbling Test Results

Techni ECO Antioxidant vs. Control Tin Plating Solution

