

# Tin

## SLOTOTIN SBT 1730

Tin SLOTOTIN SBT 1730 is an electrolyte free from sulphate for the deposition of semi-bright tin layers. Semi-bright tin layers are also deposited in low current densities making the process ideally suited for e.g. the plating of parts with a complex surface geometry.

The solderability of tin layers deposited from Tin SLOTOTIN SBT 1730 is excellent and remains even after heat ageing tests (e.g. 16 h/55 °C). In this regard it's particularly important to operate the electrolyte at low temperature. The usual cloud formation of acidic tin electrolytes caused by tetravalent tin compounds, is retarded in Tin SLOTOTIN SBT 1730.

Tin SLOTOTIN SBT 1730 contains only weakly foaming additives. Therefore, a disturbing foam formation doesn't occur when operating this electrolyte. This is especially beneficial for barrel application since strong foaming wetting agents would have a strong foaming effect during the barrel lift-out.

The electrolyte might also be used as bright tin electrolyte. For this purpose the additive system has to be adjusted accordingly.

The layers deposited from this electrolyte meet the requirements of the RoHS (Restriction of (the use of certain) Hazardous Substances) EU Directive 2002/65/EU relating to the limit of lead, mercury, cadmium, Cr(VI), polybrominated Biphenyls and polybrominated Diphenyl Ethers. The additives are free from NPEO.

The information in this data sheet is based on laboratory as well as practical experience. Figures quoted for operating limits and replenishment quantities are for guidance. Actual values necessary will depend on the components being plated (material and geometry), their application and plating plant conditions.

### Important:

Please read this instruction carefully prior to the use of the process and carefully follow all the parameters that have a direct influence on the operation. We reserve the right to make technical changes. In the interest of safety, please pay attention to the hazard warnings on the labels of the containers. The minimum shelf life of the products is included on the labels and is also available in the appropriate Quality Assurance (QA03).

The current IMDS number of the layer deposited from the process is available on the internet at [www.schloetter.com/downloads](http://www.schloetter.com/downloads).

For the storage of chemical products the TRGS 510 must be followed.

**If the additives used in this process contain a SVHC-substance, then this will be specified in the corresponding Material Safety Data Sheet, section 15.**

