

# Bright Tin

## SLOTOTIN 30 1

Bright Tin SLOTOTIN 30 1 is an electrolyte on sulphuric acid basis for the deposition of bright tin coatings. The layers are characterized by a high degree of brightness. Also in very low current density areas, e.g. on parts with a geometrically unfavourable surface geometry light tin layers are deposited.

The solderability of tin coatings deposited from Bright Tin SLOTOTIN 30 1 is excellent and keep excellent even after heat ageing tests (e.g. 16 hours at 155 °C). For this it's very important to operate the electrolyte at low temperatures.

The formation of tin(IV) compounds, which cause the usual cloudiness in electrolytes on sulphuric acid basis, is reduced in Bright Tin SLOTOTIN 30 1.

Bright Tin SLOTOTIN 30 1 can be used for both rack- and barrel application.

The additives required for the make-up and operation of the electrolyte don't contain any alkylphenol ethoxylates (nonylphenol ethoxylates).

The coatings deposited from Bright Tin SLOTOTIN 30 1 also meet the requirements of the RoHS (Restriction of certain Hazardous Substances) EU Directive 2002/95/EC relating to the limit of lead, mercury, cadmium, Cr(VI), polybrominated biphenyls and polybrominated diphenyl ethers.

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 instructions 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.**

