

# Immersion Tin SN 30 1

Immersion Tin SN 30 1 is a process for the electroless deposition of tin on copper and copper alloys in charge exchange. The process is also suitable to brighten lead- or tin-lead coatings.

Smooth bright tin layers approx. 1 - 2 µm thick are deposited on copper surfaces at a temperature of 70 °C, still enabling solderability after tempering (e. g. 4 h/155 °C).

Immersion Tin SN 30 1 is renewable. The copper accumulated in the electrolyte during operation can be separated. Components required for deposition can be replenished according to analysis. Therefore it's not necessary to dispose the tin plating solution like usual for the conventional immersion tin processes.

The additives required for electrolyte make-up and operation do not contain any alkylphenol ethoxylates (nonylphenol ethoxylates).

The layers deposited from this electrolyte meet the requirements of the RoHS (Restriction of *the use of certain* Hazardous Substances) EU Directive 2011/65/EU 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 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.**

