

# Tin Bath DSN

Tin Bath DSN is intended to use in reel-to-reel plating lines. The fluoboric acid based electrolyte deposits satin-matt, fine crystalline tin coatings. Depending on the plant conditions and electrolyte parameters, cathodic current densities up to 80 A/dm<sup>2</sup> at almost 100 % current efficiency can be achieved.

Since the carbon content in the tin coating is approx. 0.005 %, the solderability is even excellent after prolonged storage respectively tempering (heat ageing process).

The layers deposited from this electrolyte meet the requirements of the RoHS Directive 2002/95/EC (Restriction of *the use of certain* Hazardous Substances) 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 these instructions carefully and follow recommendations given. We reserve the right to make technical changes as necessary. In the interests of safety, please pay attention to the R- and S- phrases on the labels of the containers. The minimum shelf life of the additives is printed on the label of the container. The current IMDS number of the layer deposited from the process can be found on the internet at [www.schloetter.com/downloads](http://www.schloetter.com/downloads).

For the storage of chemical products only the TRGS 514 and TRGS 515 regulations must be followed. The Hazardous Goods Regulation (ADR/GGVS) is only valid **for transportation** and must not be applied to storage.

