

## Matt Tin SLOTTOTIN 50

IMDS ID No. 756885

Matt Tin SLOTTOTIN 50 is a sulphate-free electrolyte giving a fine crystalline deposit with excellent covering power. Tin is deposited in a grain size of 3 - 8 µm. In this form the tendency to form whiskers is reduced. Coatings from Matt Tin SLOTTOTIN 50 are therefore suitable for assembling with lead-free solders.

Anode solubility in systems based on the Acid Concentrate FF is much higher than in sulphuric acid based processes, so the electrolyte is especially suitable for the application with higher anodic current densities ( $> 2 \text{ A/dm}^2$ ).

Matt Tin SLOTTOTIN 50 is easy to operate and to maintain. Only monitoring the concentrations of tin(II) and acid is necessary, additive consumption is mainly due to drag-out. For high demands on covering power the electrolyte is operated with the newly developed Tin Additive SLOTTOTIN 53.

The additives required for bath make-up and operation meet the requirements of the RoHS Directive (Restriction of certain Hazardous Substances) relating to the limit of lead, mercury, cadmium, chrome(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 drum label.

The shelf life of the additives is generally 18 months.

The date of production is taken from the first 3 figures of the batch number.

Figure 1 = year; figures 2-3 = month; figures 4-7 = batch number; (UK labels use a 4 digit year code).

For the storage of chemical products only the Hazardous Substances Regulation must be followed.

The Hazardous Goods Regulation (ADR/GGVS) are only valid for transportation and must not be applied to storage.