

# Matt Tin SAT 10

IMDS ID No. 756885

Matt Tin SAT 10 is a sulphuric acid based electrolyte giving fine crystalline deposits. Special features of the bath are exceptional covering power and excellent solderability. The main application is the tin-plating of electronic or precision components.

Its use as a metal resist deposit in printed circuit manufacture has limited application. Based on our experiences tin electrolytes based on sulphuric acid are sensitive towards impurities caused by photo resist bleeding. The compatibility of Matt Tin SAT 10 with the photo resists to be used must be checked prior to use.

Matt Tin SAT 10 is used in the same composition for barrel or rack applications. The deposits are very solderable even after heat or steam ageing for 16 hours at 155 °C.

The formation of tin(IV)compounds is slowed down and therefore clouding of the electrolyte is prevented.

Operating the Matt Tin SAT 10 is simple and easy. It only requires maintenance of the tin(II) and sulphuric acid contents as well as periodical replenishment of the additives that are mainly consumed by drag-out.

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.

**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.**

#### 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.