

# Matt Tin SAT 30-1

Matt Tin SAT 30-1 is a sulphuric acid based electrolyte giving fine crystalline deposits. An for matt tin electrolytes extraordinary good covering power and an excellent solderability are the features of Matt Tin SAT 30-1. The fields of application for this process is the plating of electronic and electrotechnical parts.

In the PCB industry, Matt Tin SAT 30-1 is used for the deposition of metal resist layers.

The Tin Additive SAT 31 1 is used in barrel and rack application as well. Without limitations, the deposits give excellent solderability even after heat ageing at 155 °C / 16 hours.

The formation of tetravalent tin compounds is slowed down which results in reduction of cloudiness in the electrolyte.

Matt Tin SAT 30-1 is easy to operate and to maintain. Only the Sn(II) and sulphuric acid concentrations must be monitored and replenishment of additives mostly caused by drag-out losses must be performed occasionally.

The electrolyte can be operated with methanol free additives if Tin Additive SAT 26 is used.

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

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 TRGS 514 and TRGS 515 Regulations must be followed. The Hazardous Goods Regulation (ADR/GGVS) are only valid for transportation and must not be applied to storage.

