

# Bright Tin

## GBF 30

Bright Tin GBF 30 is for the use in high speed reel-to-reel installations. The fluoride-free acidic electrolyte deposits bright tin coatings. Depending on plant conditions and operating temperature cathodic current densities up to 30 A/dm<sup>2</sup> can be achieved. Solderability is still excellent even after tempering (aging test). Since titanium is not attacked, this metal is suitable i.a. for contacting of the anodes

The additives used are low foaming. This results, even during intensive electrolyte agitation to no foam formation.

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.**

