



FCT ASSEMBLY

1309 North 17th Avenue • Greeley, CO 80631
Telephone: (970) 346-8002 Fax: (970) 346-8331
www.fctassembly.com

Technical Bulletin TTC100C Lead Free TIP TINNER

Description

FCT Assembly has developed TTC100C LEAD FREE Tip Tinner to aid in cleaning and re-tinning solder irons tips de-wetted by use which can not be repaired with sponge pads and cored solder wire.

Use of TTC100C LEAD FREE Tip Tinner offers the following advantages:

- **Lead Free SN100C tin/copper/nickel based alloy**
- **Activator system thermally decomposes**
- **Excellent at re-tinning badly oxidized soldering iron tips**
- **Minimal Residues removable with a dampened sponge**

Applications

FCT Assembly TTC100C Tip Tinner is used when the soldering iron tip is so badly oxidized that it can not be re-tinned using the sponge pad and cored solder wire.

The soldering iron tip must be at normal working temperatures (600-800°F). Wipe flux residue from the tip with a dampened sponge. Gently contact the tip to the surface of the TTC100C to initiate local melting. The tip will be instantly cleaned and re-tinned and there is no need to use a scrubbing action to assist the process. After the tip is re-tinned, wipe the tip on a dampened sponge to remove any residual TTC100C. It is now ready for re-use.

Specifications

FCT Assembly TTC100C Tip Tinner is composed of a mixture of Lead Free SN100C solder powder and a specially designed flux system with very high activity to clean heavily oxidized soldering iron tips. It has been formulated to completely decompose at soldering iron temperatures (600-800°F). The inert residual TTC100C can be easily removed with a damp sponge.

Parameters	Result
Alloy	SN100C (Tin/0.7Copper/Nickel)
Copper Mirror Test (*Modified J-STD-004)	PASS
Halide Content	0.000%
Corrosion Test (*Modified J-STD-004)	PASS

**TTC100C is heated to soldering iron temperature (700°F) until fuming has stopped. Residues are extracted with deionized water and diluted to a 35% weight percent solution in deionized water.*

Packaging

TTC100C LEAD FREE Tip Tinner is packed in 60-gram aluminum screw cap cans.

Health and Safety

Refer to the MSDS for guidance on safety and health issues.

Avoid inhaling fumes produced during use. These are irritating to the respiratory system. Eating, drinking, or smoking should not be allowed in the working area. Wash hands with soap and water after use. Keep out of reach of children.

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