



QUALITEK®

Super Top Dross Eliminator Additive

DESCRIPTION

Super Top is a solder alloy additive formulated to reduce and prevent oxides of solder, commonly known as dross, on still pots and wave solder machines containing Sn60/Pb40 or Sn63/Pb37 solder. Many competitive dross-reducing materials are based on mineral oils and fatty acid compounds that breakdown and deposit on the PCB assemblies.

BENEFITS

- No chemical Fumes
- Less alloy loss

PHYSICAL & CHEMICAL CHARACTERISTICS

Color and Appearance
Flash Point
Shelf life (un-opened)

Grey Metal
None
Indefinite

APPLICATION

The following procedure should be performed periodically to reduce solder costs. Super Top should be used whenever there is an excess of dross that hinders the soldering process, or when a yellowish surface (tin oxide) is seen on the molten solder.

- 1) Solder pot temperature set between 450°F and 485°F. The wave must be turned off.
- 2) Add 25-30 chips per 100 lbs. of solder or 1 kilobar per 130-140 lbs. of solder.
- 3) Using a spoon or spatula that will not contaminate the solder pot, work the Super Top into the pot by gently “chopping” it into the molten solder.
- 4) The process will take several seconds to complete. The Super Top will move about the surface of the molten solder and react with all oxides of tin and lead, converting them back into their metallic state.
- 5) After completion of the dross recovery process, periodic monitoring of the solder pot is suggested. Qualitek solder analysis programs are available for monitoring contamination levels, call Customer Service for further information.

PACKAGING & STORAGE

Super Top is available in 5 lb. Chip Containers and 22 lb. Kilobar boxes. It should be stored in dry place.

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Consult MSDS for health and safety information