Superior No. 99-10

MILDLY ACTIVATED ROSIN FLUX, TYPE RMA

- A mildly activated rosin flux for general-purpose soldering of PCB's, wire, cable, and semiconductors, and hand soldering applications.
- Excellent for a variety of metals including copper, gold, nickel alloys, silver, and tin.
- Can be used for wave, dip, drag and hand dipping soldering operations.

DESCRIPTION

Superior No. 99-10 RMA Flux consists of a homogeneous solution of water-white rosin in a multi-component solvent system with a brominated organic activator. It is completely chloride-free. The flux is widely used in electronic applications requiring excellent soldering activity and yielding residues with high water-extract resistivities. ***Superior No. 99-10 RMA Flux*** becomes active above 175°C/340°F, attaining peak activity in the temperature range 200-260°C/390-500°F, where it promotes excellent solderability. It can also be used for high-temperature soldering applications, such as mag-wire tinning at temperatures in the 400-430°C/750-800°F range.

APPLICATIONS

Superior No. 99-10 RMA Flux is an excellent choice for soldering printed circuit boards (PCBs), wire, cable and component tinning, board pre-tinning, and soldering of semiconductors. ***Superior No. 99-10 RMA Flux*** can be used to solder many different metals and alloys including: copper, gold, nickel coatings, silver and tin, solder, cadmium and tin-zinc plate.

DIRECTIONS

Superior No. 99-10 RMA Flux can be applied by foaming, brushing, dipping, rolling and spraying. Soldering need not be carried out immediately after fluxing. The residues are completely non-corrosive, non-conductive and fungus-proof, and need not be removed. However, cleaning is easily accomplished by vapor-degreasing methods, using appropriate solvent systems.

The specific gravity of the flux increases with prolonged use as the solvents evaporate. It can be restored to the recommended value by adding ***Superior No. 96T Flux Thinner*** to the flux and mixing thoroughly.

SPECIFICATIONS

Superior No. 99-10 RMA Flux meets all the requirements of Mil-F-14256, Type RMA.

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PHYSICAL PROPERTIES

Form	Amber Liquid
Specific Gravity	0.81375 @ 20°C ± 0.01 @ 20-25ºC/68-77°F
Density	6.82 lbs./gallon @ 20-25ºC/68-77°F
Solids Content	10% ± 1.0%
Free Acidity	None
Chloride Content	None
Inorganic Cations	None
Recommended Soldering Range	200-260°C/390-515°F
Spread Factor	100 minimum
Flash Point (TCC.)	12°C/53°F
Boiling Point	82.3°C/180.1°F
Freezing Effects	None
Residue Characteristics	Non-Corrosive, Non-Conductive
Water Extract Resistivity	150,000 ohm/cm

This Product is RoHS Compliant

SAFETY PRECAUTIONS

Superior No. 99-10 RMA Flux is flammable and should be stored in plastic containers away from heat, sparks or an open flame. Use adequate ventilation to remove flux fumes, along with fumes from the soldering station. Avoid contact with skin and eyes and avoid breathing vapors. Flux has a two (2) year shelf life.

Refer to the Material Safety Data Sheet (MSDS) for additional safety information.

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