# SUPERIOR No. 100HT

# HI-TEMP ROSIN FLUX, TYPE RA

- An RA Flux modified for high temperature soldering applications.
- Excellent for a variety of metals including copper, gold, nickel alloys, silver, and tin.

## DESCRIPTION

***Superior No. 100HT Flux*** consists of a homogenous solution of WW rosin in a high temperature solvent system with a chloride activator. It is used in electronics applications requiring high temperature soldering activity in tin-lead and Lead-Free solder alloys. The flux becomes active above 175°C/340°F, attaining excellent activity up to 450°C/840°F.

## APPLICATIONS

***Superior No. 100 HT Flux*** is an excellent choice for soldering mag-wire leads, cables, and for component tinning. This flux can be used to solder many different metals and alloys including copper, gold, alloy 42, alloy 51, nickel alloys, and other metals commonly used in electronics and mag-wire applications.

## PHYSICAL PROPERTIES

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|---|---|
| Form | Brown Liquid |
| Specific Gravity | 1.07 ± 0.02 @ 20-25°C/68-77°F |
| Density | 8.923 lbs./gallon @ 20-25°C/68-77°F |
| Solids Content | 52.0 ± 2.0% |
| Chloride Content | 1.2% |
| Inorganic Cations | None |
| Soldering Range | 200-450°C/390-840°F |
| Spread Factor | 80 minimum |

**This Product is RoHS Compliant.**

## SPECIFICATIONS

***Superior No. 100 HT Flux*** meets all the requirements of Mil-F-14256, Type RA.



Superior Flux & Mfg. Co. 6615 Parkland Blvd. • Cleveland, OH 44139 • Phone: 440-349-3000 • Fax: 440-349-3003 www.superiorflux.com • e-mail: info@superiorflux.com

## DIRECTIONS

***Superior No. 100 HT Flux*** can be applied by dipping, rolling and spraying. Soldering need not be carried out immediately after fluxing. The residues are non-corrosive and non-conductive on parts whose temperature does not exceed 60℃/140℉. If the temperature of the soldered parts is to exceed 60℃/140℉, then the flux should be washed after soldering. For aqueous cleaning process, add Superior SyberKleen 2000 Saponifier for flux removal. Additional cleaning processes include vapor-degreasing methods with appropriate HFC and HCFC solvent systems.

## SAFETY PRECAUTIONS

***Superior No. 100 HT 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 Certified shelf life.

A Material Safety Data Sheet (MSDS) is available on request.



***Superior manufactures quality fluxes. Our business is solving problems.***

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