



## FLS441 - Repair Flux and Cleaner

---



### Key Features

- A VOC-Free flux and cleaner.
- Non-halide formulation.
- A water washable cleaner that eliminates the need for organic solvents.
- Compatible with all cored solders.
- Completely free of rosins, resins and petroleum derivatives.
- Non-hazardous and safe to handle.
- Waterless, odorless, non-spattering liquid.
- Formulated for use with tin/lead and lead-free alloys.

### DESCRIPTION

SRA #441 Repair Flux and Cleaner is a revolutionary, dual purpose product for manual soldering applications. It is a gel flux that promotes excellent solderability and a cleaner that removes rosin and all organic and inorganic residues from electronic assemblies.

It smokes less than current products and is a non-hazardous, VOC-Free compound that contains no rosin and is water-soluble.

SRA #441 Repair Flux and Cleaner is compatible with all core solders. In particular, when using rosin core solders, operators can clean post solder residues with water and need no solvents to remove residues. Another radical departure from traditional hand-soldering techniques the usage of #441 for solder removal, touch-up, device removal and re-attachment.

SRA #441 Repair Flux and Cleaner simplifies board repair and touch-up procedures, while promoting excellent solder coverage, shiny joints, and cleaning without using environmentally hazardous solvents.

### DIRECTIONS

SRA #441 is formulated for use in manual soldering applications for electronic assemblies. A soldering iron temperature between 315-400°C/600-750°F is recommended for optimum results. Apply flux to area that is being soldered. Post-soldering residues are water-soluble and should be removed with DI, distilled, or RO water.



**SPECIFICATIONS**

<b>Form</b>	Translucent Gel
<b>Specific Gravity</b>	1.16 @ 20-25oC/68-77°F
<b>Density</b>	9.67 lbs/gallon @ 20-25oC/68-77°F
<b>pH</b>	1.80 – 3.20 @ 20-25oC/68-77°F
<b>Viscosity</b>	1.40 x 10 <sup>5</sup> cps @ 20-25oC/68-77°F
<b>Copper Corrosion (per IPC)</b>	Slight to moderate
<b>Rosin Solubility</b>	33.9% by weight
<b>Soldering Range</b>	95-315°C / 200-600°F
<b>Spread Factor</b>	80 Minimum
<b>Flash Point</b>	177°C / 350°F
<b>Halide Content</b>	None
<b>Freezing Effects</b>	None
<b>Residues</b>	Water Washable

**SAFETY PRECAUTIONS**

SRA #441 Repair Flux and Cleaner is non-hazardous, non-corrosive and non-flammable. Proper ventilation is required as a precaution during all soldering processes. This product will not separate, harden, or crystallize over time and requires no refrigeration. Store at room temperature and keep away from heat.

Refer to the MSDS for additional safety information.

**STORAGE**

SRA #441 Repair Flux and Cleaner has a two (2) year shelf life.

