



# SUPERIOR SYBERGEL



## FLUX AND CLEANER

- 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

**SyberGel Flux and Cleaner** is a revolutionary, dual purpose product for manual soldering applications. It is

- 1) a gel flux that promotes excellent solderability
- and
- 2) 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.

**SyberGel 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 **SyberGel** for solder removal, touch-up, device removal and re-attachment. **SyberGel 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

**SyberGel Flux and Cleaner** 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.

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



## PHYSICAL PROPERTIES

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

**THIS PRODUCT IS RoHS COMPLIANT.**

## SAFETY PRECAUTIONS

**SyberGel 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.

**SyberGel Flux and Cleaner** has a two (2) year shelf life.

The information contained herein is based on data considered to be accurate and is intended for use by persons having technical skills at their own discretion and risk. Since conditions of use are outside of Superior Flux & Mfg. Co.'s control, we cannot assume liability for results obtained or damage incurred due to misuse, nor can we assume customer liability.

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