SYBERKLEEN 2000

AQUEOUS SAPONIFIER

DESCRIPTION

Superior SyberKleen 2000 was formulated for the 21st century cleaning of electronic assemblies with surface mount and mixed technologies. This is a concentrated detergent/saponifier formulated for the efficient removal of rosin soldering flux residues and other soldering contaminates from printed circuit boards, components, and other electronic assemblies. In a conveyorized in-line aqueous cleaning machine or soak tank cleaning system the ***Superior SyberKleen 2000*** will provide excellent cleaning of assemblies, even to the highest ionic standards set forth by the electronics industry.

Superior SyberKleen 2000 is formulated to maintain its composition in a wash solution during prolonged periods of use without the addition of ***Superior DF-1 Defoamer***.

DIRECTIONS

Superior SyberKleen 2000 was formulated to be versatile in its application techniques. It can be used with conveyorized cleaning-equipment; soak tanks; and modified dishwasher/batch-cleaning units.

For soak cleaning, a simple soak or dip tank can be used to remove any rosin or resin flux residues. The tank should be constructed of stainless steel or high temperature plastics such as PVC or stress relieved polypropylene. The solution make-up for the soak or dip tank should be 5-10% by volume of the concentrated detergent added to water. For best results, a wash temperature of 50°C/120°F - 65°C/150°F is recommended. The dwell time of the PCBs being cleaned will depend on the concentration of the flux residue on the boards or components.

After removal from the soak or dip tank, PCBs should be thoroughly rinsed with water to insure the complete removal of all solubilized and dispersed residue. Spray rinsing is preferred for maximum cleanliness followed by a rinse in DI water, which will ensure excellent cleanliness levels and good electrical characteristics.

In conveyorized in-line cleaners, the wide use and acceptance of semi-aqueous methods of flux removal is excellent. Multi-stage of assemblies cleaned with ***Superior SyberKleen 2000*** can be accomplished with hot tap water or DI water, depending upon the level of cleanliness desired. The bath make-up should be a 5-10% volume of ***Superior SyberKleen 2000*** to water at a temperature of 50-65℃/120-150ºF.

Level of contamination removal can be monitored by inspection or ionic cleanliness testing equipment.

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MATERIALS COMPATIBILITY

When used as recommended, ***Superior SyberKleen 2000*** will not damage most plastics or marking inks. Cleaning equipment construction materials should not include parts such as polycarbonate, viton, neoprene, natural rubber, copper, aluminum, brass or galvanized metals.

PHYSICAL PROPERTIES

Specific Gravity	1.003 @ 20-25°C/68-77°F
Pounds/Gallon	8.35 @ 20-25°C/68-77°F
pH as received	12.0 @ 20-25°C/68-77°F
Neutralization Number	200
Flash Point (Closed Cup)	None

THIS PRODUCT IS RoHS COMPLIANT

SAFETY PRECAUTIONS

Superior SyberKleen 2000 is a corrosive product and should be handled with care and the normal precautions taken when working with chemical products.

When using ***Superior SyberKleen 2000***, adequate exhaust ventilation should be provided. Avoid contact with eyes, skin, and mucous membranes. Always wear NIOSH approved safety equipment when working with chemicals. Store in plastic containers away from heat.

Superior SyberKleen 2000 has a two (2) year shelf life.

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

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