



QUALITEK®

Everkleen 1005 Buffered Saponifier

DESCRIPTION

Everkleen 1005 is a buffered, biodegradable cleaner, formulated to convert rosin into a water soluble soap product. The unique anti-foaming agent contained in the concentrate, minimizes foaming and reduces any dragout losses. This cleaner will not attack most plastics, anodized surfaces; and will not remove ink markings on components. Cleanliness results using Everkleen 1005 exceeds the cleanliness requirement of MIL-P-28809.

APPLICATION METHODS

Everkleen 1005 is used in removing rosin residues from PCB assemblies and electronics parts. It can be used to neutralize organic and inorganic acids, thus rendering them soluble in water. Everkleen 1005 is used in simple laundry tubs, dishwasher, ultrasonic cleaners, and automatic in-line cleaning machines.

OPERATION PROCEDURES

Dishwasher Type. As a general guideline, the mixture of Everkleen 1005 concentrate to water should be 3-10% by volume. Detergent concentration will depend on the amount of flux deposited on the boards. The recommended water temperature range is 120°-150°F with 130°F being ideal for starting up the system. Run the solution using the whole cycle.

AUTOMATIC IN-LINE CLEANING

Wash or Cleaner Section The start up solution concentration should be 5% by volume. Additional concentrate may be added if a higher level of cleanliness is required with the existing conveyor speed. In a dishwasher, the solution temperature should be 130°F for start up. Temperatures lower than 120°F result in long cleaning times and incomplete residue removal. To ensure a consistent cleanliness level, check the pH of the mixture and maintain pH at 10.00 or higher. This can be obtained by adding more detergent to the wash. In addition, the scale build up on the immersion heater and nozzles must be cleaned off regularly to maintain the highest performance and efficiency; Qualitek 3173 may be used in this application. Changing the cleaning solution generally depends upon the amount of boards processed, though it is recommended that the solution be changed after 8 hours of use.

PHYSICAL & CHEMICAL CHARACTERISTICS

Color and Appearance	Clear to yellowish liquid
Specific Gravity	1.035+/-0.006
Flash Point	148°F
pH-(5% solution)	10.0 – 10.8
Biodegradability	No phosphates, chlorides or bromides
Shelf life (un-opened)	2 years

PACKAGING & STORAGE

Everkleen 1005 is available packaged in 1, 5, and 55 gallon containers. Store under cool, dry conditions away from flame.

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Consult MSDS for health and safety information