QUALITEK Technical Bulletin

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 or aluminum surfaces; and will not remove ink markings on components. Cleanliness results using Everkleen 1005 exceeds the cleanliness requirement of MIL-P-28809.

APPLICATION

Everkleen 1005 may be used in ultrasonic cleaners, in-line cleaning machines, in dishwashers or wash tubs.

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: Start-up solution concentration should be 5% by volume. Additional concentrate may be added if a higher level of cleanliness is required with the set conveyor speed.

PROCESS CONTROL

To ensure a consistent cleanliness level, we recommend checking the pH of the solution and maintain a pH of 10 or above. pH can be maintained by adding more 1005 concentrate to the wash solution. To obtain the highest efficiency, we recommend scale build up on the nozzles and immersion heaters be cleaned regularly. We recommend changing the cleaning solution after 8 hours.

STORAGE & SHELF LIFE

Everkleen 1005 Buffered Saponifier should be stored in cool, dry environment. Shelf life is 2 years from date of manufacture.

AVAILABILITY

1L & 5L containers. Store under cool, dry conditions away from flame.

PHYSICAL & CHEMICAL CHARACTERISTICS

Appearance:	Clear to yellowish liquid
Specific Gravity:	1.028+/-0.006
Flash Point:	198°F
pH Value:	10.45 ± 0.45
Shelf Life:	2 Years from DOM

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