



QUALITEK®

Acid Cleaner 1300 Acid Cleaner/Neutralizer

DESCRIPTION

Acid Cleaner 1300 is formulated to ensure the complete residue removal of acid type soldering fluxes and cleaners. The anti-foaming agent contained in the cleaner, minimizes foaming and reduces any dragout losses. This cleaner will not attack most plastics such as polycarbonate or polystyrene and will not remove ink markings on components. Cleanliness results using Acid Cleaner 1300 meets or exceeds the cleanliness requirement of MIL-P-28809.

APPLICATION METHODS

Acid Cleaner 1300 is used in removing organic residues from PCB assemblies and electronics parts. Acid Cleaner 1300 performs by solubilizing the organic flux residue so that they are readily removed in a water rinse systems. Acid Cleaner 1300 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 Acid Cleaner 1300 to water should be 20% by volume. Detergent concentration will depend on the amount of flux deposited on the boards. The recommended water temperature range is 120^o-150^oF with 130^oF 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 20% 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^oF for start up. Temperatures lower than 120^oF result in long cleaning times and incomplete residue removal. To insure a consistent cleanliness level, check the color of the solution. When color has changed from a dark blue to yellow, the cleaner has been exhausted and needs to be replenished. This is done 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	Dark Blue liquid
Specific Gravity	1.010-1.030
Flash Point	None
pH-(as is)	10.0 – 11.0
Shelf life (un-opened)	2 years

PACKAGING & STORAGE

Acid Cleaner 1300 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