5760
Neutralizer
For Removing Residues From Fluxes

Product Description

Kester 5760 Neutralizer is a buffered, alkaline concentrated formula which effectively removes both organic and inorganic acid flux residues. This includes water-soluble fluxes used in wave soldering, hot air leveling and infrared reflow processes. Simple neutralization with caustic soda or other alkaline solutions will not completely remove ionizable, potentially corrosive and conductive residue which is formed during soldering. Kester 5760 Neutralizer will completely solublilize chloride complex residues such as lead chloride by selective chelation so that a water rise will remove all traces of harmful contamination.

Performance Characteristics:

- Removes ionizable residues
- Easily cleaned in water
- Effective for both organic and inorganic residues

Physical Properties

Specific Gravity: 1.200 ± 0.010
Antoine Paar DMA 35 @ 25°C

pH (10% solution): 11.1
Hanna Instruments 8314 @ 25°C

Flash Point: >100°C (212°F)

Application Notes

When diluted to make a 2-10% solution with water, the Kester Neutralizer is used as an initial wash followed by a thorough water rinse to ensure complete removal of the Neutralizer and dissolved flux residues. The blue color of the solution is a concentration indicator which will fade as the solution weakens. Fresh Neutralizer may be added to the solution to maintain a constant indicator color. When the solution becomes cloudy, it should be replaced. Parts are immersed for 15-seconds to 2-minutes in Kester 5760 Neutralizer solution depending on the nature of the residue, part configuration and the length of time between soldering and cleaning, followed by a clean water rise.

Cleaning:

No neutralizer, saponifiers or detergents are necessary in the water wash system for complete removal of residues. It is not recommended to use high mineral content tap water. Otherwise, tap, deionized or softened water may be used for cleaning. Generally in-line spray cleaners should incorporate a gross prewash (to drain) to remove the flux residue prior to washing in Kester 5760 Neutralizer.

Storage and Shelf Life:

Because this formulation is water based, it is subject to freezing. A minimum storage temperature of 4°C (40°F) is recommended. If frozen, the Kester 5760 is easily reconstituted by stirring at room temperature. Shelf life is 3 years from date of manufacture when handled properly and held at 4-25°C (40-77°F).

Health & Safety:

This product, during handling or use, may be hazardous to health or the environment. Read the Material Safety Data Sheet and warning label before using this product.

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