

ALPHA AUTOCLEAN 40 Aqueous Electronics Cleaner

DESCRIPTION

ALPHA AutoClean 40 is an aqueous flux removal fluid designed for use at full strength. It is available in conveniently sized stacking drums. It has been formulated for efficient removal of pre and post soldering flux residues from flux spray equipment, ovens, pallets, carriers, jigs, and printed circuit assemblies. This water-based product is a carefully researched blend of synergistic surfactants and emulsifiers. These ensure efficient cleaning and inhibition of re-deposition of dissolved soils. It does not rely only upon simple saponification.

FEATURES & BENEFITS

- Highly effective for cleaning flux spray nozzles, ovens, selective soldering pallets, and other equipment
- Does not contain CFC's or chlorinated solvents
- Water-Based
- Excellent efficacy even at ambient temperatures
- Non Acidic
- Efficiently removes high-rosin flux residues
- Environmentally friendly
- Non-Flammable
- Low Cost of Ownership
- Low viscosity
- Rinse with DI water

PHYSICAL PROPERTIES

<u>Appearance:</u>	Clear colorless liquid*	<u>Flash Point, °F:</u>	None to boiling
<u>Specific Gravity:</u>	1.0 @ 20°C	<u>pH:</u>	< 12

* If stored above 77°F (25°C), the product can become cloudy. Simply shake thoroughly before use

GUIDELINES FOR SUCCESSFUL USE

- **ALPHA AutoClean 40** should be used as received at 100% concentration.
- Effective at ambient temperatures, performance is optimum at 100°F (38°C).
- For batch cleaning, **ALPHA AutoClean 40** should be used in a tank designed for aqueous processing.
- ALPHA AutoClean 40 is compatible with most common equipment materials. Not recommended for cleaning aluminum parts
- High solids rosin based flux materials (such as ALPHA EF-10000) will typically be removed in approximately 3 minutes with agitation* provided by circulation pumps or ultrasonics.
- Rinse cycles can be done with city water with a final rinse cycle in DI water
- Parts can be dried with hot or circulating air.

* AutoClean 40 may exhibit foaming when used in some spray cleaning equipment

The information contained herein is based on data considered accurate and is offered at no charge. No warranty is expressed or implied regarding the accuracy of this data. Liability is expressly disclaimed for any loss or injury arising out of the use of this information or the use of any materials designated.
Rev. 12-19-06





APPLICATION

Suggested Process Parameters:

<u>Process Type</u>	<u>Concentration Range</u>	<u>Temperature Range</u>	<u>Rinse/Dry</u>
Immersion, Agitation	100%	ambient-100°F (38°C)	DI/Air
Immersion, Soak	100%	ambient-100°F (38°C)	DI/Air
Immersion, Ultrasonics	100%	ambient-100°F (38°C)	DI/Air
Manual Wipe	100%	ambient-100°F (38°C)	Optional

The above conditions are meant to be starting ranges. Process parameters may be increased or decreased as needed depending on the specific parts and soils involved. Your Cookson Electronics Applications Engineer or Sales Representative can assist you in optimizing your process parameters.

ENVIRONMENTAL, HEALTH AND SAFETY

ALPHA AutoClean 40 is an environmentally friendly aqueous solution. It contains no CFC's or chlorinated solvents. It is non-flammable. Observe standard precautions for handling and use. Refer to the Material Safety Data Sheet for more information.

MATERIAL STORAGE

ALPHA AutoClean 40 has a shelf-life of 24 months if stored in unopened containers at temperatures below 77°F (25°C).