

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

Appearance: Clear colorless liquid*
Specific Gravity: 1.0 @ 20°C

Flash Point, °F: None to boiling
pH: < 12

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

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. Consult the SDS for all safety information. The most recent version of the SDS is available from AlphaAssembly.com.

STORAGE

ALPHA AutoClean 40 has a shelf-life of 1080 days if stored in unopened containers in a cool, dry location between 5-30°C.

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USAGE GUIDELINES

- **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.*

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 Alpha Applications Engineer or Sales Representative can assist you in optimizing your process parameters.

CONTACT INFORMATION

To confirm this is the most recent issue, please contact Alpha Assembly Solutions
AlphaAssembly.com

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Also read carefully warning and safety information on the Safety Data Sheet. This data sheet contains technical information required for safe and economical operation of this product. READ IT THOROUGHLY PRIOR TO PRODUCT USE. Emergency directory assistance Chemtrec 1 - 800 - 424 - 9300.

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