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Product Data Sheet

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PRODUCT #: N8064

RINSE AIDE 90

Alkaline Fusing/Leveling Residue Remover

DESCRIPTION:

A completely biodegradable concentrate formulated for removing flux residues from printed circuit boards. It effectively removes both ionic and non-ionic surfactants left on fused boards. It also removes processing residues on SMOBC boards when used prior to solder mask application. ***RINSE AIDE 90*** is effective in soak and spray applications.

BENEFITS:

- **Improves solder mask adhesion**
- **Removes ionic and organic contaminants**
- **Economical concentrate**

SPECIFICATIONS:

Density: 1.01 gm/ml, 8.4 lbs./gal.
pH (5% in water): 11.2
Flash Point (TCC): 145°F
Shelf life: Indefinite

INSTRUCTIONS:

Soak Application:

Concentration: 3 - 10% by volume with deionized water
Temperature: 65 - 90°F
Time: 30 seconds - 2 minutes

Spray Application:

Concentration: 3 - 8% by volume with deionized water
Temperature: 65 - 90°F
Time: 30 seconds - 1 minute

Thorough rinsing after cleaning is essential to remove solubilized flux residues. Spray rinsing with tap water is recommended, followed by a deionized water rinse to assure absolute cleanliness. **Control:** ***RINSE AIDE 90*** has a high capacity for absorbing residues. Cleanliness testing or insulation resistance testing will show when the solution is contaminated and should be changed. A solution life of 3-4 times current rinsing practices can be anticipated.

Analyze working solution for concentration according to analysis on the reverse side. Equipment should be constructed of polypropylene, CPVC or stainless steel.

CAUTIONS:

RINSE AIDE 90 is alkaline; contact with skin and eyes should be avoided. Goggles and gloves should be worn when handling this product. In case of contact with eyes, flush with water for a least 15 minutes and obtain medical assistance. For skin contact, rinse immediately with water, and wash with soap and water. Use in a well-ventilated area.

DISPOSAL:

Neutralize and treat with other chelated waste streams.

RINSE AIDE 90
Analysis for Concentration

- ANALYSIS:**
- Equipment required:** 50 ml graduated cylinder
250 ml Erlenmeyer flask
50 ml buret
Dropper
- Reagents required:** 1.0N Hydrochloric acid
0.04% Bromphenol Blue indicator: Mix 0.1g of bromphenol blue indicator (powder) in 14.9 ml of 0.01N NaOH, and dilute to 250 ml with water.
- Procedure:**
1. Measure 50 ml of ***RINSE AIDE 90*** working solution (in a 50 ml graduated cylinder) into a 250 ml Erlenmeyer flask.
 2. Add 15 drops of bromphenol blue indicator and mix.
 3. Titrate with 1.0N hydrochloric acid until the color changes from purple to yellow.
- Calculation:** mls of 1.0N HCl X 0.164 = % ***RINSE AIDE 90***

This product should be used only for its intended purpose. The information stated above is based on our laboratory tests and experience, and is accurate to the best of our knowledge. Since actual use is beyond our control, the recommendations or suggestions are made without warranty, expressed or implied.