

Resist Stripper 17

Resist Stripper 17 is an alkaline, water soluble liquid, which is added to water to remove aqueous and semi-aqueous dry film resists and alkaline soluble screen inks from circuit boards. It does contain a water-soluble glycol ether solvent.

Resist Stripper 17 is free of phenols, chromates, phosphates and silicones.

Resist Stripper 17 may be used by immersion (with or without air agitation) or in a pressure spray operation. While the stripping operation will not foam initially, a foam head may form after some resist is dissolved. Hubbard-Hall has several defoamers that are consistent with Resist Stripper 17.

Features & Benefits

Does not attack epoxy	Lower reject rate, higher productivity; lower process cost
Easy to control and operate	Lower labor cost
No effect on hole wall adhesion	Reduces chance of rejects; higher productivity, lower cost

Operating Conditions

Concentration	10% – 25%
Temperature	25% optimum (71°C) lower limits recommended for spray or ultra-sonics.
Optimum temp. range	120°F – 140°F (49°C – 60°C) At temperatures over 125°F, the copper surface may begin to tarnish.
Equipment	Polyethylene, Polypropylene, PVC, or 316 stainless steel tank, risers or nozzles.
Heaters	Quartz or 316 stainless steel immersion heaters

Spray Operations

Resist Stripper 17 is a non-foaming product. However, there are several inks on the market that will cause foaming when dissolved in a resist stripper. If the foaming problem becomes serious, Hubbard-Hall recommends Defoamer RS.

Titration Method

1. Pipette a 5 mL sample of Resist Stripper 17 into a 250 mL Erlenmeyer flask.
2. Add about 50 mL of water and several drops of Bromophenol Blue indicator.
3. Titrate with 0.5 N Hydrochloric Acid solution until the color changes from blue to light green.
4. Record mL used.

Calculation

$$\text{Concentration} = \text{mL } 0.5 \text{ N HCl} \times 1.48$$

Waste Disposal

Neutralize solutions of Resist Stripper 17 to a pH between 6.0 to 8.0 with a dilute mineral acid. Use caution when adding the acid since neutralization generates heat. Discharge the neutralized solution to disposal area. In order to be completely informed on the latest disposal regulations for your area, please contact the local authorities. For the removal of dissolved particles of photoresist, Aquapure FA may be dosed to form a manageable precipitate.

Caution

Resist Stripper 17 is an alkaline product and should be handled accordingly. Avoid skin, eye and oral contact. Wear protective clothing, gloves and goggles. Flush exposed areas immediately with clean cold water. In case of injury contact a doctor immediately.



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Our People. Your Problem Solvers.

For more information on this process,
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