

POLY/Solv RR-24 / RR-24 Replenisher

A Liquid Designed to Dissolve Trapped Polymerized Dry Film

Product Description

POLY/Solv RR-24 / RR-24 Replenisher is formulated to be used as a polishing or re-work step when photo resist has become trapped on printed circuit boards. RR-24 / RR-24 Replenisher will dissolve residual dry film that is left after initial resist stripping processes and has been rinsed and dried.

Performance Features

- Will not attack base copper, tin, or tin/lead plating.
- Provides flexibility to rework printed circuit boards.
- Helps to eliminate copper shorts in subsequent etching processes.

Physical Specifications

Physical State	Liquid
Appearance	Clear/Cloudy Solution
Odor	Strong Solvent
Specific Gravity	1.10
Stability	Stable

Equipment Requirements

Tanks: Constructed of polypropylene, polyethylene, stainless steel, or titanium.

Heaters: Titanium, Stainless Steel, or Teflon.

Ventilation: Recommended

Product Make-Up

Do not dilute. Use as is.

Operating Parameters

Concentration	Full Strength
Temperature	140 - 160°F
Time	10 - 20 Minutes

Technical Data Sheet

Control and Replenishment

Determination of RR-24 Concentration

The percent by volume of RR-24 can be calculated and maintained using the analytical procedure below.

Equipment Required	Reagents Required
Buret, 50 ml	Bromothymol Blue Indicator
Erlenmeyer Flask, 250 ml	Hydrochloric Acid 0.1 N standardized
Pipet, 5 ml	

Procedure

1. Pipet 5 ml sample of working bath and transfer to Erlenmeyer flask.
2. Add 75 ml deionized or distilled water.
3. Add 10 drops Bromothymol blue indicator.
4. Titrate with 0.1 N HCL to a yellow end point.

Calculation

$$\text{Total alkalinity \%} = (\text{ml } 0.1 \text{ N Hcl}) \times 10$$

Maintain bath between 50 – 60% concentration of total alkalinity by addition of POLY/Solv RR-24 Replenisher using the following formula.

Additions

$$\% \text{ of increase} \times (.383/55) \times \text{sump size} = \text{ml of addition to bring bath to 60\%}.$$

Safety and Handling

Read and understand this products MSDS before handling.

Waste Treatment

Individual users should verify the nature of spent solutions to assure compliance with local, state, and federal regulations. Contact Seacole for specific details and/or further waste treatment recommendations.

Ordering Information

RR-24 is available in 5 gallon pails and 55 gallon drums.

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