



RS 3002 Resist Stripper

DESCRIPTION

RS3002 RESIST STRIPPER is a semi-aqueous solution formulated to strip dry film photo-resist and alkaline soluble screen printing inks. RS3002 contains copper brightening agents for a uniform clean copper appearance. RS3002 has excellent stripping capacity and strips in small particle sizes. The addition of a wetting agent further improves the ability of RS3002 to strip in tight, over-plated spaces. RS3002 can also be used in a batch mode. As RS3002 becomes saturated with resist, it may become necessary to add a suitable de-foamer such as BB200.

OPERATING PARAMETERS

Make-Up	5-15% by volume diluted with water
Temperature	125-140°F (52-60°C)
Immersion Time	30 seconds- 2 minutes in batch mode. Two tanks recommended. Set the break point to 50% or lower in horizontal mode
Process	Horizontal or batch
Agitation	Mechanical in batch mode
Ventilation	Advised
Tanks	Polypropylene, Polyethylene, PVC
Racks and Baskets	PVC Coated
Heaters	Stainless steel or quartz heater. Stainless steel cooling coil recommended
Filtration	Recommended to extend solution life.

PHYSICAL PROPERTIES

Specific gravity	1.00 to 1.03
Appearance	Clear to light amber liquid
pH	>12
Odor	Amine odor
Flash Point	>200F



CONTROL PROCEDURES

Replenishment can be done by pH control, analysis for concentration, or loading level. PH controllers should be set at a replenishment point between a pH of 10 and 11.

ANALYSIS

Reagents and equipment needed

0.1N HCl
Bromothymol Blue Indicator
1 ml pipet
50 ml buret
200 ml Beaker

Procedure

1. Pipet a 1.0 mL sample of the bath into a 200 mL flask and add 75-100 mLs of DI water.
2. Add 3 - 4 drops of Bromothymol blue indicator.
Note: the endpoint color change is from blue to yellow.
3. Titrate with 0.1N hydrochloric acid to the yellow endpoint.
4. Calculation: RS3002 Concentration (% by volume) = mLs of 0.1N HCl x .74

SAFETY AND STORAGE

RS3002 is corrosive and should be handled with care. Avoid open flames. Do not store in direct sunlight, high temperature or below freezing.

WASTE TREATMENT

Please ask a Florida CirTech technical sales representative for more information regarding waste treatment of this chemistry and our complete line of waste treatment line if additional help or information is desired.

MISCELLANEOUS

Available in 5-gallon pails and 55-gallon drums. Consult MSDS sheet for additional information.