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Product Data Sheet

Date: 02/16/09
Supersedes: 06/07/06
PRODUCT #: N8593

MICROSTRIP 2000

Fine Line Resist Stripper

DESCRIPTION:

A semi-aqueous photoresist stripper for stripping very fine line circuit boards. ***MICROSTRIP 2000*** contains additives that increase penetration into small lines and spaces, significantly improving removal. It provides fast strip speeds and contains copper brightening and antitarnish agents which produce a bright, uniform copper surface for automatic optical inspection and better etching characteristics. For use in spray and soak applications.

BENEFITS:

- **Complete removal of resist from very fine lines and spaces, even with overplate**
- **Effective on many of the newest, high density/fine line photoresists**

SPECIFICATIONS:

Density: 1.02 gm/ml, 8.5 lbs/gal.
pH at 10% : 12.6
Flash Point: > 210°F (SCC)
VOC Content (EPA Method 24): 3.3 lbs/gal.

INSTRUCTIONS:

Concentration: 8 – 15% spray or soak
Temperature: 110° – 130°F

Replenishment: ***MICROSTRIP 2000*** can be replenished by monitoring the pH of the working solution, the panel count, or by conductivity. Whichever method of monitoring is used, replenishment should always be at, or near, the working solution concentration. It is recommended that chemistry-only adds be avoided except when making small adjustment to the concentration. When setting up the feed and bleed, ***MICROSTRIP 2000*** should be replenished at such a rate where the pH is maintained between 10.8 and 11.5.

Stripping speed and particle size will vary with type and thickness of photoresist, temperature, pH, concentration, type of equipment and application. Specific information on strip time, particle size and capacity is available from RBP Technical Service.

Filtration is recommended to remove resist particles and extend bath life. In spray applications it may be necessary to add ***ANTIFOAM BB*** at 0.1% by volume to control excess foam.

Tanks and equipment can be constructed of stainless steel, PVC, or polypropylene. Heaters should be stainless steel or Teflon®.

CAUTIONS: *MICROSTRIP 2000* is alkaline; avoid contact with skin and eyes. Goggles and gloves should be worn when handling this product. In case of eye contact, flush with water for at 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: *MICROSTRIP 2000* contains amine compounds that are metal complexing agents. Spent solutions should be segregated from waste streams being treated for heavy metals removal.

Dispose of treated material in accordance with all local, state and federal regulations.

ANALYSIS: **Equipment required:** 2 ml pipet
50 ml buret
250 ml flask or 250 ml beaker
pH meter*

Reagents required: 0.1N Hydrochloric acid standard solution
Methyl Orange indicator solution*

Procedure:

1. Pipet a 2 ml sample of the working solution into a 250 ml flask or beaker.
2. Add 50 – 100 ml DI water. Mix.
3. Add 10 – 15 drops of methyl orange indicator solution.
4. Titrate with 0.1N hydrochloric acid until the color changes for yellow to red.
Record mls used.

OR

Titrate to a pH end point of 3.7, using a pH meter. Record mls used.

Calculation: mls of HCl X N of HCl X 6.3 = % *MICROSTRIP 2000*

* Note: Use methyl orange indicator only for new solutions. Use the pH end point titration procedure for used solutions.

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.