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## Product Data Sheet

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**PRODUCT #: N8609**

# ***MICROSTRIP***

Aqueous Resist Stripper

**DESCRIPTION:** Formulated to remove fully aqueous dry film resists in soak or spray applications. **MICROSTRIP** will generally break dry films into small particles suitable for filtration. It contains copper brightening and antitarnish agents, which produce a bright uniform copper surface for automatic optical inspection and better etching characteristics. Contains no glycol ethers.

**BENEFITS:**

- **Provides complete removal, even from overplated areas**
- **Long life; high capacity**
- **Economical - supplied highly concentrated**
- **Excellent cosmetics - bright copper and tin/lead**

**SPECIFICATIONS:**

<b>Density:</b>	1.036 gm/ml, 8.6 lbs./gal.
<b>pH at 10% :</b>	12.9
<b>Flash Point (SCC):</b>	>210°F
<b>VOC Content (EPA Method 24):</b>	3.9 lbs./gal.
<b>Shelf life:</b>	Indefinite

**INSTRUCTIONS:**

<b>Concentration:</b>	5 - 10% by volume
<b>Temperature:</b>	120 -140°F

Analyze new solution according to analysis on reverse side. Maintain the pH above 11.5 with additions of **MICROSTRIP** concentrate. An alternate method of replenishment is to have a tank of solution at working concentration, and add it to the sump to maintain volume lost by evaporation and drag out. The solution should be considered spent when resist re-deposits on boards.

Stripping speed and particle size will vary with type and thickness of photoresist, temperature, concentration, type of equipment and application. *Specific information on strip times, 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 eliminate excess foam.

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

**CAUTIONS:** *MICROSTRIP* 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 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* 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 pipette  
50 ml burette  
250 ml Erlenmeyer flask

**Reagents required:** 0.1 N Hydrochloric Acid  
Bromthymol Blue Indicator solution .04%

**Procedure:**

1. Pipette 2 ml sample of working solution into a 250 ml Erlenmeyer flask. Add 50 ml distilled water and mix.
2. Add 15 drops of Bromthymol blue indicator solution and mix.
3. Titrate with 0.1N hydrochloric acid until the color changes from blue to a pale yellow. Record mls used.

**Calculation:** ml of HC1 X N of HC1 X 5.5 = Percent *MICROSTRIP*

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.