



RBP Chemical Technology, Inc.

150 S. 118th ST. • P.O. Box 14069
Milwaukee, WI 53214-0069
www.rbpchemical.com
corporate: 800-558-0747
fax: 414-258-7908

Product Data Sheet

Date: 02/03/05
Supersedes: 12/04/01
PRODUCT #: N8669

ADF-202

Photomask and Photoresist Stripper

DESCRIPTION: A specialized product for removing dry film photoresists and temporary solder masks (photomasks) used for deep gold selective plating processes, especially where the resists are applied over leveled solder. **ADF-202** contains an enhanced brightening package that protects leveled solder circuitry and maintains a bright solder appearance. It demonstrates consistently high loading capabilities, and breaks resists into particles suitable for filtration.

BENEFITS:

- **Excellent cosmetics - maintains bright solder and copper surfaces**
- **Eliminates hand taping for plating mask**

SPECIFICATIONS:

Density:	1.03 gm/ml, 8.6 lbs./gal.
pH at 10% :	12.5
Flash Point (TCC):	> 210°F
VOC Content (EPA Method 24):	3.9 lbs./gal.
Shelf life:	6 months

INSTRUCTIONS:

Concentration:	5 - 10% by volume
Temperature:	120° - 140°F

Analyze new solution according to analysis on reverse side. Maintain the pH above 11.5 with additions of **ADF-202** 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 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.

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

CAUTIONS:

ADF-202 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: *ADF-202* 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 flask or 250 ml beaker
pH meter (optional)

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

Procedure:

1. Pipette a 2 ml sample of the working solution into a 250 ml flask or beaker.
2. Add 50-100 ml distilled water and mix.
3. Add 10-15 drops of Methyl Orange indicator solution.
4. Titrate with 0.1N HCl until the color changes from yellow to red/
Record mls used.

OR

Titrate to a pH end point of 4.0, using a pH meter. Record mls used.

Calculation: mls of HCl X N of HCl X 4.34 = Percent *ADF-202*

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.