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Product Data Sheet

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PRODUCT #: N8655

SOLDER MASK REMOVER

DESCRIPTION: An alkaline liquid designed to remove fully cured liquid photoimageable acrylic solder masks from printed circuit boards. ***SOLDER MASK REMOVER*** works quickly without damage to circuitry or laminate.

BENEFITS:

- **Effective at lower temperatures**
- **Removes solder masks completely with no attack on circuitry or laminate**
- **Effective on Dupont Vacrel[®] and Valu[™] system, Dynachem DM and Conformask, Enthone DSR-3241, Grace CM-1000, Coates Imagecure[™], Lea Ronal LPI masks.**

SPECIFICATIONS:

Density:	1.14 gm/ml, 9.5 lbs./gal.
pH:	14
Flash Point (TCC):	None
Shelf life:	Indefinite

INSTRUCTIONS:

Concentration:	Use as supplied
Temperature:	120°-140°F
Strip Time:	30 minutes to 2 hours

Solder masks will gradually soften and become jelly-like. Removal can be accelerated by periodically using a soft bristle brush or high-pressure water spray rinse to remove softened mask.

Tanks can be constructed of stainless steel, PVC or polypropylene. Heaters may be stainless steel, titanium or Teflon[®]. Keep tank covered to reduce evaporation.

Replace volume lost by evaporation with fresh material. Check specific gravity and add water if necessary. Analyze the concentration according to procedure on reverse side.

CAUTIONS:

SOLDER MASK REMOVER is alkaline; avoid contact with skin and eyes. Avoid breathing vapor and mists. Glasses or goggles and rubber gloves should be worn when handling this product. In case of contact with skin, rinse immediately with cold water. For eye contact, rinse immediately with water and obtain medical assistance. See Material Safety Data Sheet for further information.

DISPOSAL:

Neutralize and treat in complex amine waste stream.

SOLDER MASK REMOVER

Concentration Analysis

Equipment required: 50 ml buret
5 ml pipet
150 ml Erlenmeyer flask
Dropper

Reagents required: 1.0N Hydrochloric Acid
Methyl Orange indicator

Procedure:

1. Pipet a 5 ml sample into a 250 ml Erlenmeyer flask.
2. Add 50 ml of distilled water. Mix.
3. Add 15 drops of Methyl Orange indicator.
4. Titrate with 1.0N hydrochloric acid to a red end point.

Calculation: $\text{mls of HCl} \times \text{N of HCl} \times 2.5 = \text{SOLDER MASK REMOVER}$

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.