

DISSOLVENE MS-40 Dry Film Soldermask Stripper

Product Description

DISSOLVENE MS-40 (MS-40) is an aqueous based, alkaline solution designed to strip and remove a cured dry film solder mask as well as most liquid solder masks from printed circuit boards.

Performance Features

- MS-40 will not attack bottom coat of base laminate
- MS-40 will effectively remove all cured dry film and liquid photo-imagable solder mask in about 10 - 40 minutes.
- MS-40 is very economical; a bath will run for at least 200 sq-ft/gal.

Physical Specifications

Physical State	Liquid
Appearance	Water White
Water Solubility	Complete
pH	>12

Equipment Requirements

Tanks: Constructed Of Stainless Steel Or Reinforced, Heat-Resistant Polypropylene.

Racks: Should Be Stainless Steel.

Heaters: Constructed Of Stainless Steel.

Product Make-Up

DISSOLVENE MS-40 is a use-as-is product, and should not be diluted prior to use.

Operating Parameters

The performance of DISSOLVENE MS-40 increases with elevated temperature. Optimum operating temperature is 160°F.

Temperature	140-180°F
Immersion Time	10 – 45 minutes

Technical Data Sheet

Control and Replenishment

Procedure

1. Pipette a 2 milliliter sample of the Dissolvene MS-40 working bath into a 250 ml Erlenmeyer Flask.
2. Add 50 milliliters of deionized water.
3. Add 5-10 drops of Phenolphthalein Indicator.
4. Titrate with 1.0 N Hydrochloric Acid to a water clear end-point.

Calculation

$$\% \text{ Dissolvene MS-40} = (\text{mls. of HCL}) \times (\text{Normality of HCl}) \times 8$$

Maintain Dissolvene MS-40 between 80 and 120% for optimum results.

Additions

Maintain the solution level by adding fresh volumes of MS-40. Replace the bath when the stripping speed becomes too slow, or the accumulated soldermask residue begins to redeposit on the surface of the board. The bath life can be prolonged by periodically decanting the bath from the process tank and removing the accumulated photopolymer sludge.

Safety and Handling

Read and understand this product's MSDS before handling.

Waste Treatment

Individual users should verify the nature of spent solutions to assure compliance with local, state, and federal regulations. Contact Seacole for specific details and/or further waste treatment recommendations.

Ordering Information

DISSOLVENE MS-40 is available in 5-gallon pails and 55-gallon drums.

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