



NEUTRA RINSE 80

For Electronic Finishing Applications

Regional Product Availability			
N.America	Japan/Korea	Asia	Europe
✓		✓	

DESCRIPTION

Neutra Rinse 80 process will neutralize acidic films remaining on tin and tin-lead plated parts. The removal of these films assists in post rinsing operations and is beneficial to the shelf-life of components by minimizing staining during storage and handling.

ADVANTAGES

- Neutralizes acidic film left on tin and tin-lead plated components
- Improves solderability of components
- Minimizes staining of plated components during handling

BATH MAKE-UP

Chemicals Required	Metric	(U.S.)
Deionized Water	900.0 ml/l	(90.0% v/v)
Neutra Rinse 80	30.0 g/l	(4.0 oz./gal.)

MAKE-UP PROCEDURE

1. Add deionized water to tank.
2. Heat to 60°C (140°F).
3. Add Neutra Rinse 80 and mix thoroughly until completely dissolved.
4. Dilute to final volume with deionized water and mix thoroughly.

BATH OPERATION

Prior to immersion in Neutra Rinse 80, parts should be thoroughly rinsed; first with cold water, then with warm water.

Bath Operation—Metric		
Parameter	Range	Recommended
Neutra Rinse 80	30–45 g/l	30 g/l
Temperature	60–80°C	
Immersion Time	1–10 seconds	

After immersion in Neutra Rinse 80, parts should be rinsed thoroughly with warm deionized water.

Bath Operation—U.S.		
Parameter	Range	Recommended
Neutra Rinse 80	4–6 oz./gal.	4.0 oz./gal.
Temperature	140–175°F	
Immersion Time	1–10 seconds	

After immersion in Neutra Rinse 80, parts should be rinsed thoroughly with warm deionized water.

BATH MAINTANANCE

Determination of Neutra Rinse 80 Concentration

- I. **Equipment**
 - a) 20 ml Transfer Pipette
 - b) 250 ml Erlenmeyer Flask
 - c) 50 ml Burette
- II. **Reagents**

Methyl Orange Indicator
- III. **Titrant**

Hydrochloric Acid, 1.0N

NEUTRA RINSE 80

IV. Procedure

- Pipette 20.0 ml of sample into a 250 ml Erlenmeyer flask.
- Add 50 ml of deionized water.
- Add 5 drops of methyl orange indicator.
- Titrate with 1.0N hydrochloric acid to an orange-red endpoint.

V. Calculations

Neutra Rinse 80 Concentration g/l =
ml Titrant x Normality x 4.37

Neutra Rinse 80 Concentration oz./gal. =
ml Titrant x Normality x 0.58

PRODUCT DATA

For the specific Product Data values, please refer to the Certificate of Analysis provided with the shipment of the product(s).

EQUIPMENT

Tanks: Steel or stainless steel
Heaters: Stainless steel or Teflon coated

HANDLING PRECAUTIONS

Before using this product, consult the Material Safety Data Sheet (MSDS)/Safety Data Sheet (SDS) for details on product hazards, recommended handling precautions and product storage.

CAUTION! Keep combustible and/or flammable products and their vapors away from heat, sparks, flames and other sources of ignition including static discharge. Processing or operating at temperatures near or above product flashpoint may pose a fire hazard. Use appropriate grounding and bonding techniques to manage static discharge hazards.

CAUTION! Failure to maintain proper volume level when using immersion heaters can expose tank and solution to excessive heat resulting in a possible combustion hazard, particularly when plastic tanks are used.

STORAGE

Store products in tightly closed original containers at temperatures recommended on the product label.

DISPOSAL CONSIDERATIONS

Dispose in accordance with all local, state (provincial) and federal regulations. Empty containers may contain hazardous residues. This material and its container must be disposed in a safe and legal manner.

It is the user's responsibility to verify that treatment and disposal procedures comply with local, state (provincial) and federal regulations. Contact your Rohm and Haas Electronic Materials Technical Representative for more information.

Rohm and Haas and Rohm and Haas Electronic Materials are trademarks of Rohm and Haas Company, Philadelphia, PA, USA, or its affiliates.

UNITED STATES

Marlborough, MA

Tel: 800.832.6200
Fax: 508.485.9113

Freeport, NY

Tel: 800.645.2996
Fax: 516.868.8074

JAPAN

Tokyo

Tel: +81.3.5213.2910
Fax: +81.3.5213.2911

ASIA

Hong Kong

Tel: +852.2680.6888
Fax: +852.2680.6333

EUROPE

Paris, France

Tel: +33.1.40.02.54.00
Fax: +33.1.40.02.54.07

www.rohmhaas.com

For Industrial Use Only. This information is based on our experience and is, to the best of our knowledge, true and accurate. However, since conditions for use and handling of products are beyond our control, we make no guarantee or warranty, expressed or implied, regarding the information, the use, handling, storage or possession of the products, or the applications of any process described herein or the results sought to be obtained. Nothing herein shall be construed as a recommendation to use any product in violation of any patent rights.