

ACCU-LABS INC.

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A2LA Accredited ISO/IEC 17025:2005 Certificate # 2558.01

124-B Soak Cleaner *Powdered Cleaner for Mixed Metals*

ACCU-LABS 124-B Soak Cleaner works quickly and effectively to remove soils from all metal surfaces - steels, copper alloys, zinc, and aluminum - without etching. **ACCU-LABS 124-B Soak Cleaner** rinses freely and, when used properly, will not contaminate subsequent stages in the plating line.

Features and Benefits:

Highly Concentrated.....Economy of Operation
Emulsion-Type Detergent.....Long Solution Life
Non-Chelated.....Waste Treatment Friendly

Operating guidelines for ACCU-LABS 124-B Soak Cleaner:

Concentration.....4 - 16 ounces per gallon
Temperature.....120 - 170°F (50 - 80°C)
Immersion time.....1 - 5 minutes

Preparing the ACCU-LABS 124-B Soak Cleaner bath:

- 1) Drain spent cleaner solution. Clean and rinse all equipment.
- 2) Fill cleaner tank approximately $\frac{3}{4}$ full with clean water.
- 3) Add the required volume of **ACCU-LABS 124-B Soak Cleaner**. We suggest an initial concentration of 8 - 10 ounces per gallon. Experience will determine whether you may need to adjust your concentration slightly higher or lower.
- 4) Mix thoroughly, until all solids are dissolved.
- 5) Fill tank to working volume and mix thoroughly.
- 6) Analyze a sample of the bath to verify concentration. See analytical procedure on the next page. Make any required adjustments to the concentration.
- 7) Heat tank to operating temperature. We have determined that most soils are removed efficiently at 140°F. Again, your experience is the best guide for temperature control.
- 8) Solution is now ready for production.

Analytical control for ACCU-LABS 124-B Soak Cleaner

- 1) Draw a representative sample of each cleaner solution and allow cooling.
- 2) Draw a 10-ml sample of each bath and place into a clean Erlenmeyer flask.
- 3) Add 50 ml deionized or distilled water and 1 ml methyl orange indicator.
- 4) Titrate against 1.00 N hydrochloric acid to red endpoint.
- 5) Titration x 1.00 equals ounces per gallon of **ACCU-LABS 124-B Soak Cleaner**.

Note: Many modern metalworking fluids contain chemicals which can interfere with this analysis. An alternate method is available if this is the case with your operation. Contact your Accu-Labs, Inc. Representative for further information.

Safety and handling

ACCU-LABS 124-B Soak Cleaner and its working solutions are moderately alkaline in nature. Avoid splashing onto skin and into eyes. May cause chemical burns and blindness. Use only with proper protective gear and eye protection. Wash thoroughly after any work with this product. Refer to Material Safety Data Sheet for more complete information.

Non-warranty: *The information contained in this bulletin is, to the best of our knowledge, true and accurate. All recommendations are made without guarantee. ACCU-LABS, Inc. disclaims any and all liability arising from the use of this product or the information contained herein.*