

## E-Prep® BL-100

### Burnishing Liquid

#### DESCRIPTION

- BL-100** is a very effective, low foaming, easy flowing, burnishing liquid concentrate. It is safe on all metals. It is used to obtain a bright clean surface on brass, copper, zinc diecast, bronze, steel and stainless steel during vibratory burnishing.
- BL-100** is clean rinsing and leaves no tacky residual film. Parts burnished with **BL-100** will resist tarnishing for extended periods of time.
- BL-100** is used with vibratory or rotary barrel type equipment.
- BL-100** contains no solvents and it is biodegradable.
- BL-100** when used at 4% volume at 180-200°F will remove buffing compound and can be used ultrasonically.

#### OPERATING INSTRUCTIONS

- Concentration: 2-3% by volume with water (2 to 4 fl oz/gal)  
This diluted concentrate of **BL-100** can be added to vibratory or rotary barrel during burnishing to obtain the desired level of luster.
- Temperature: Ambient or up to 120°F
- Time: As needed

#### SOLUTION CONTROL

No solution control is necessary when **BL-100** is used in batch vibratory processes. The used solutions are dumped and mixed with other plant effluent.  
When utilized for buffing compound removal, the following titration procedure should be used:

1. Take a sample of the **E-Prep BL-100** solution from the bath with a beaker and allow to cool to room temperature.
2. Measure out 20 ml of the sample with a 20 ml pipette and transfer to a clean 125 ml Erlenmeyer flask. Add 25 ml of water.
3. Add five (5) drops of Bromphenol Blue Indicator to produce a blue colored solution.
4. Titrate with 0.1 N Hydrochloric Acid to a cloudy yellow color.
5. Calculation:

$$\text{Concentration of E-Prep BL-100 (\%)} = (\text{ml of 0.1 N HCL}) \times 0.408$$

#### CAUTION

**THIS PRODUCT CONTAINS MILDLY ALKALINE MATERIALS.** Do not get in eyes, on skin or clothing. Do not take internally. When handling, wear goggles or face shield. In case of contact,

immediately flush skin or eyes with plenty of water for at least 15 minutes. For eyes, call a physician.

**Do not** mix **BL-100** with acidic materials, or any other chemical substances. **Do not** work with **BL-100** without first reading and understanding the **MATERIAL SAFETY DATA SHEET** furnished by EPI.

### **PACKAGING**

5 and 55 gallon non-returnable containers. Keep lid on when not in use. Store indoors in a dry area.

### **IMPORTANT NOTICE! For Industrial Use Only**

The following is made in lieu of all warranties, expressed or implied, including the implied warranties of merchantability and fitness for purpose: seller's and manufacturer's only obligation shall be to replace such quantity of the product as proved to be defective. Before using, user shall determine the suitability of the product for its intended use, and user assumes all risk and liability whatsoever in connection therewith. **Neither seller nor manufacturer shall be liable either in tort or in contract for any loss or damage, direct, incidental or consequential, arising out of the use or the inability to use the product.**

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