

# DeaneCo 833-L

## PHOSPHATE CLEANER FOR STEEL ALLOYS

DeaneCo 833-L is a liquid phosphating degreaser compound. Can be applied to ferrous alloys by either a 3- or 5-step process; simultaneously degreases and primes metal surfaces prior to powder coating and application of paints. Offers rust protection to ferrous parts during processing and eliminates delays encountered prior to painting and powder-coating.

### BENEFITS

- Water soluble
- Operates at low temperature (from 40 °C) and low concentrations
- Solution easily monitored with titration technique
- Low foaming
- Provides anti-rust protection during surface treatments
- Fluoride free

### PHYSICAL PROPERTIES

Appearance	Liquid	Solubility	Water soluble	Flammability	Non flammable
Colour	Colourless	pH	4-5	Density	1.26
Odor	Mild Odour	Flash Point	N/A		

### AVAILABLE FORMATS



20L

20DE3LOP

205L

20DE3LOD

1000L

20DE3LOT

### LEGISLATION

WHMIS Regulated

### SAFETY & HANDLING

Dispose of container and its contents in compliance with all applicable regulations.

Refer to safety data sheet for additional information.

**USE PROCEDURES****PHOSPHATING 3-STEP IMMERSION:**

Step 1. Degreasing and phosphating: To prepare bath solution, dilute DeaneCo 833-L with water to a concentration volume 4–6 %. Operate bath temperatures from 40°C–60°C (100°F–140°F) while agitating mechanically or with air. Typical immersion times are 2–5 minutes.

Bath's pH should be maintained between 3.5–5.0. Adjust pH with phosphoric acid if pH is greater than 5.0; and with sodium hydroxide if less than 3.5. For most applications bath pH ranges of 4.0–4.5 achieve best results. Extended immersion times may increase total deposition.

Step 2. Rinsing: Use water, preferably warm water at 21°C–49°C (70°F–120°F). Immerse in an overflowing water rinse tank for 60–90 seconds.

Step 3. Inhibiting rinse: a chromic or non-chromic inhibiting rinse can be used; consult with your DeaneCo representative for recommendations on inhibitor applications and post-treatments.

**5-stage immersion system.**

1st step: Pre-cleaning: Use DeaneCo 242 degreaser at 12 g per liter of water. Shake to dissolve soil completely. Temperature of 40 ° C to 60 ° C.

2nd step. Rinsing: Rinse with lukewarm water, preferably 21 ° C - 49 ° C. Immersion time: 60-90 seconds.

3rd step: Phosphatation: use DeaneCo 833-L at 4-6% by volume of water. Shake to dissolve completely. Temperature of 40 ° C to 60 ° C. Immersion time: 2 to 5 minutes with mechanical or pneumatic agitation. The pH should be maintained between 3.5 and 5.0. Adjust with phosphoric acid if the pH is greater than 5.0 and with sodium hydroxide if it is less than 3.5. For most systems a pH between 4.0 and 4.5 provides the best performance. A prolonged contact time increases the deposit.

4th step. Rinse with lukewarm water, preferably 21 ° C - 49 ° C. Immersion time: 60-90 seconds.

5th step (optional). Rinse-sealer: Rinse with a solution of DeaneCo-Seal diluted at a rate of 0.5 to 1 liter per 100 liters of warm-hot water (25 ° C - 75 ° C) with a time of 30-60 second immersion.

A simple control method can be provided to you upon request, your DeaneCo representative will provide you with the necessary equipment for this simplified method.

**EQUIPEMENT:** Tanks and accessory components should be fabricated from chemically resistant mild or stainless steels.

**IMPORTANT NOTE:** To achieve optimal results, immersion tanks should be clean and free of scale. If scale is present, treat with an aqueous solution of 50 g/L DeaneCo 605, at 65°C; then rinse with water. If the tank is oily, clean it with a DeaneCo degreaser. Rinse well with water until the rinsing water has a pH between 6 and 8.2.

**CONSULT WITH YOUR DEANECO REPRESENTATIVE FOR PRODUCT'S APPLICATION AND OPTIMAL USE.**

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