



# Product Bulletin

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## AQUAEASE® E 242 L

2051002  
1/30/2006

**AQUAEASE® E 242 L** is a liquid, alkaline, phosphate free product which may be used as a soak cleaner or as a soak-electrocleaner for cleaning ferrous metals, copper, copper alloys, and zinc die casting. **AQUAEASE® E 242 L** is an economical heavy-duty soak cleaner formulated to remove fabrication oils, lubricants, and light deposits of buffing compound from ferrous metals, copper, brass, magnesium alloys and zinc die castings. **AQUAEASE® E 242 L** may be adapted into operations which, because of space, are limited to a brief cleaning line; for

Example :

(1) soak, soak-electro, or (2) soak-electro.

### PHYSICAL DATA

Specific gravity..... 1.242  
Solubility in water.....infinite  
Appearance and odor..... clear, pale yellow liquid

### OPERATING CONDITIONS AS A SOAK CLEANER OR SOAK-ELECTRO

Concentrations ..... 4 to 12% by volume  
Temperature ..... 130 to 200 °F (54 to 93 °C)  
Operate at 120 to 135 °F (49 to 57 °C) when processing zinc die castings,  
Brass alloys, and copper laminate.  
Time ..... 1 to 5 minutes  
Current density ..... 20 to 50 amps/sq. ft (2.0 to 5.0 amps/dm<sup>2</sup>)  
..... (When used as soak-electro)  
Equipment.....mild steel or polypropylene tanks,  
..... Anodes and heating coils  
Ventilation ..... suggested when used as electrocleaner

Note (1): Lower operating temperatures 130 to 150 °F (54 to 66 °C) should be reserved for brass alloys.

Note (2): An overflow for skimming off floating soils is recommended when **AQUAEASE® E 242 L** is being used as a soak.

### CONTROLS

#### TITRATION PROCEDURE

1. Pipette a 20 ml sample into a 250 ml Erlenmeyer flask.
2. Add 30 mls water and 5 drops phenolphthalein into flask; swirl flask to insure complete mixture.
3. Titrate with 0.5 N hcl until solution turns colorless.
4. Record mls 0.5 N hcl used.

## **AQUAEASE® E 242 L**

**CONCENTRATION AQUAEASE® E 242 L (% VOL) = 0.45 X MLS 0.5 N HCL USED**

### **TEST KIT PROCEDURE**

Use 1.0 ml sample and 5 drops indicator M.O.

**CONCENTRATION AQUAEASE® E 242 L (% VOL) = 0.71 X DROPS N-94 SOLUTION**

### **WASTE DISPOSAL**

Discharge to a disposal system. In order to be completely informed on the latest regulations for your area, please contact the local authorities.

### **CAUTION**

**AQUAEASE® E 242 L** is an alkaline product and should be handled accordingly. Avoid skin, eye and oral contact. Wear protective clothing, gloves and goggles when handling the product. Flush exposed areas immediately with clean, cold water. Contact a doctor immediately in case of injury.

### **WARRANTY**

The quality of this product is guaranteed on shipment from our plant. If the use recommendations are followed, desired results will be obtained. Since the use of our products is beyond our control, no guarantee expressed or implied is made as to the effects of such use, or the results to be obtained.