



# Product Bulletin

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## AQUAEASE® SL 917

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**AQUAEASE® SL 917** is a heavy duty highly alkaline liquid cleaner which may be used as an immersion or spray cleaner for cleaning ferrous metals, copper, brass alloys, magnesium and titanium alloys.

**AQUAEASE® SL 917** was formulated to remove a variety of forming lubricant and carbonaceous type soils from ferrous metals. It will also act as a deruster when used at upper end of the recommended concentration range.

**AQUAEASE® SL 917** because of its formulation, it is relatively free-rinsing and will perform well in hard water areas where not only does water hardness interfere with cleaning but also the product's rinsing ability.

### ADVANTAGES

- Wide operating temperature range
- Biodegradable surfactant system
- Oil splitting
- Wide operating concentration range
- Low foaming product

### OPERATING CONDITIONS

Immersion (Rack or Barrel)

Concentration:	5 to 25% by volume
Temperature:	90° to 200°F.
Time:	1 to 6 minutes
Equipment:	Mild steel tanks and heating coils
Ventilation:	Suggested

Note: For use in a power spray machine (spiral spray washer, belt washer, monorail washer) operating concentration may range from 1 to 5% (vol.) and operating temperature 90 to 140°F.

Immersion applications concentration range begins at 4% (vol.) and operating temperature range from 100°+.

### CONTROL

Titration Procedure

1. Pipette a 10 ml sample into a 250 ml Erlenmeyer flask and dilute with 50 mls of distilled water.
2. Add 4 drops methyl orange indicator and mix.
3. Titrate with 0.5 N hydrochloric acid until the color changes from orange to pink.

## **AQUAEASE® SL 917**

**MLS OF 0.5 N HYDROCHLORIC ACID X 0.69 = % BY VOLUME**

### Test Kit Method

1. Fill bottles 1/3 full of water. Add 1/2 ml of **AQUAEASE® SL 917**.
2. Add 4 drops of methyl orange indicator.
3. Add N-94 solution dropwise to a pink endpoint -record number of drops.

**% VOLUME = 0.71 X NUMBER DROPS OF 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**

The same working solution of **AQUAEASE®SL 917** should not be used to clean copper alloys, steel and stainless steel.

**AQUAEASE® SL 917** is an alkaline product and should be handled accordingly. Avoid skin and eye contact. Wear protective clothing, goggles and gloves. Flush exposed areas immediately with clean cold water. Contact a doctor promptly in case of injury. Consult MSDS for details.

### **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.