



Better Chemistry. **Better Business.**

**Aquaease™ PLA 915**

**Product Code: 2053075**

**Revised Date: 3.2.2016**

### **Aquaease™ PLA 915 Low Foam Cleaner and Brightener**

**Aquaease™ PLA 915** is an acidic spray cleaner that may be used for the removal of a variety of soils and oxides from aluminum, copper alloys, stainless steel, Monel, and other high nickel alloys. **Aquaease™ PLA 915** contains a high percentage of DfE acceptable surfactants and solubilizers designed to remove forming lubricants, machining oils, and light rust or scale from these substrates. It is also effective for lime scale removal.

**Aquaease™ PLA 915** will not remove heavy scale from stainless steel alloys. When used as recommended will not etch most aluminum, stainless steel, brass, copper, Monel or other nickel alloys.

#### **FEATURES**

- Low Foaming
- Highly concentrated
- High detergency
- DfE approved wetting and solvent system
- Can be used as a burnishing compound
- Removes light rust and scales
- Readily dissolves metallic soaps
- Contains no mineral acids
- No chloride
- Non-fuming
- Safer than sulfuric acid
- No citric acid or other chelating agents



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## PHYSICAL DATA

Specific gravity .....1.04  
 Solubility in water..... complete  
 Appearance and odor ..... light amber, clear, mild odor  
 pH 10% solution.. .....1.0 to 2  
 pH concentrate.....<1

## OPERATING CONDITIONS

5% to 15% (volume) - the dilution will depend upon the soils involved. The rate at which soils, rust, and oxides are removed can be affected by build-up of iron or other metallic salts in the working solutions. This may be compensated for to some extent by increasing the temperature and or the solution concentration.

Temperature..... room to 170 °F (77 °C)  
 Ventilation..... when heated or used in spray systems

When used for cleaning aluminum a concentration of 5 to 10% by volume at temperatures up to 170 degrees F with dwell times of 5 to 10 min. is recommended. These parameters will result in little or no etch on most aluminum alloys.

For spray applications a concentration of 5 to 10% by volume with a temperature of 160 to 170 F. is recommended.

Equipment ..... stainless steel, polypropylene, polyethylene  
 ..... Fiberglass or rubber lined tanks  
 Heater.....stainless steel or nickel-plated steel piping



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### CONTROL PROCEDURE

#### TITRATION METHOD

1. Take a 25.0 ml sample of **Aquaease™ PLA 915** solution into a 250 ml Erlenmeyer flask and dilute to 50 ml with water.
2. Add 3 to 5 drops of phenolphthalein.
3. Titrate to pink endpoint with 0.1 N Sodium Hydroxide solution.
4. Record ml of Sodium Hydroxide used.

**% by Volume Aquaease™ PLA 915 = # ML OF 0.1N Sodium Hydroxide Used x 0.43  
(correction factor).**

#### TEST KIT METHOD

1. Fill sample bottle ½ full of water
2. Using the syringe provided, place a 5.0 ml sample into sample bottle
3. Add 5 drops of phenolphthalein indicator.
4. Add 1.0N Sodium Hydroxide drop wise until solution turns light pink.

**% by volume Aquaease™ PLA 915 = # Drops 1.0N Sodium Hydroxide x 0.7  
(correction factor).**

### WASTE DISPOSAL

Neutralize solutions of **Aquaease™ PLA 915** to a pH of 6 to 8 with either caustic soda or soda ash before discarding. In order to be completely informed on those latest waste disposal regulations for your area; please contact the local authorities.

### CAUTION

**Aquaease™ PLA 915** is an acidic product; avoid skin, eye and oral contact. Wear protective clothing, facemask, chemical goggles and gloves when handling the product and its made-up solutions. Flush exposed areas immediately with copious amounts of clean, cold water. Contact a doctor immediately in case of injury.



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### 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.