Aquaease™ PLA 915

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 & Benefits

DfE approved wetting and solvent system	Can be used as a burnishing compound
Removes light rust and scales	Readily dissolves metallic soaps
Safer than sulfuric acid	Contains no mineral acids

Physical Data

Specific gravity	1.04
Solubility in water	Complete
Appearance and odor	Light amber, clear, mild odor
pH 10% solution	1.0 – 2.0
pH concentrate	<1.0

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.

When used for *cleaning aluminum* a concentration of 5% to 10% by volume at temperatures up to 170°F with dwell times of 5 to 10 minutes 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°F to 170°F. is recommended.

Temperature	Ambient – 170°F (77°C)
Ventilation	When heated or used in spray systems
Equipment	stainless steel, Polypropylene, Polyethylene, Fiberglass, or rubber lined tanks
Heater	Stainless steel or nickel-plated steel piping

Titration Method

1. Take a 25 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 used.

Calculation

Concentration = mL 0.1 N NaOH x 0.43

Test Kit Method

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

Calculation

Concentration = # Drops 1.0 N NaOH x 0.7

Waste Disposal

Neutralize solutions of Aquaease PLA 915 to a pH of 6.0 to 8.0 with either caustic soda or soda ash before discarding. In order 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.

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.

Our People. Your Problem Solvers.

For more information on this process,
please call us at 203.756.5521 or email: techservice@hubbardhall.com

Hubbard-Hall holds certifications for **ISO 9001:2015**, Responsible Distribution, as accredited by the **ACD** (Alliance for Chemical Distributors) and as a **Women-Owned Small Business**, as well as maintaining an association with **Omni-Chem**[136].