Aquaease™ SL 917

Aquaease SL 917 is low foam, heavy duty caustic, chelated alkaline soak, ultrasonic, electro, and spray cleaner for Steel, Stainless Steel, nickel, copper, and copper alloys.

Features & Benefits

Concentrated liquid	Effective at lower concentrations
Low foaming	Effective at lower temperatures
High detergency	Leaves metallurgically clean surface
Chelation package	Removes light surface rust and scales

Physical Data

Specific gravity	1.35
Solubility in water	Complete
Appearance and odor	Amber to brown, mild odor
pH 10% solution	12.0 – 13.0
pH concentrate	14.0

Operating Conditions

Concentration	5% – 25%
Temperature	90ºF – 200ºF
Time	1 – 10 minutes
Equipment	Mild steel tanks and heating coils
Ventilation	Suggested
Immersion	Rack or Barrel Spray

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°F to 140°F.

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

Electro (Anodic, Cathodic, and Periodic Reverse)

Concentration	10 – 25% (vol)
Temperature	100°F – 200°F (38°C – 93°C)
Rack Current Density	40 – 80 amps/ft^2 (4.0 – 8.0 amps/dm^2).
Barrel Current Density	10 – 40 amps/ft^2 (1 – 4 amps/dm^2)
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Equipment	Mild Steel tanks and heating coils

Consumption of the cleaner is affected by reaction with soils, neutralization of fatty acids, and drag out of the cleaner solution. Additions to maintain desired concentration are recommended.

Note: The same working solution of Aquaease SL 917 should not be used to clean copper alloys, steel, and stainless steel.

Titration Method

1. Pipette a 10 mL sample into a 250 mL Erlenmeyer flask and dilute with 50 mL of distilled water.
2. Add 4 to 8 drops Methyl Orange indicator and mix.
3. Titrate with 0.5 N Hydrochloric Acid until the color changes from orange to pink.
4. Record mL used.

Calculation

Concentration = mL of 0.5 N HCl x 0.69

Test Kit Method

1. Fill bottles 1/3 full of water.
2. Add 1/2 mL of Aquaease SL 917 solution.

3. Add 4 to 8 drops of Methyl Orange indicator.
4. Add 0.72 N Hydrochloric Acid drop wise to a pink endpoint.
5. Record number of drops used.

Calculation

Concentration = # of Drops 0.72 N HCl x 0.71

Waste Disposal

Discharge rinse waters and spent solutions to a permitted disposal system. In order to be completely informed on the latest regulations for your area, please contact the local authorities.

Caution

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 SDS 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.

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].