



Aquaease™ S 982

Aquaease S 982 is a phosphate and chelator free, powdered alkaline cleaner developed for soak cleaning ferrous metals, copper, brass alloys, bronze alloys, or zinc die castings.

Aquaease S 982 may be used in rack or barrel lines. Another application is as an oblique barrel cleaner, where the solution is discarded rather frequently.

Features & Benefits

Powdered phosphate and chelator free cleaner	Cleans copper, bronze, zinc, or ferrous metals
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Operating Conditions

Concentration	2 – 10 oz/Gal (15 – 75 g/L)
Operating temperature	Warm water (140°F – 180°F)
Barrels and equipment	Mild steel

Titration Method

1. Pipette 20 mL Sample into A 250 mL Erlenmeyer Flask
2. Add 100 mL Water
3. Add 3 to 4 drops Phenolphthalein indicator
4. Titrate with 0.5 n HCL until the solution turns colorless.
5. Record mL used

Calculation

$$\text{Factor (oz/Gal)} 0.35$$

$$\text{Factor (g/L)} 2.63$$

$$\text{Concentration Aquaease S 982} = \text{Factor} \times \text{MLS 0.5 N HCL Used}$$

Test Kit Method

Fill bottle 1/3 full of water, add 1/2 mL sample and 4 drops M.O. indicator. Then add 0.72 hydrochloric acid drop wise until color changes from yellow to orange.

Calculation

$$\text{Factor (oz/Gal)} 0.47$$

$$\text{Factor (g/L)} 3.53$$



Concentration Aquaease S 982 = Factor x 0.72 hydrochloric acid

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 S 982 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.

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.