Aquaease™ E 9281 S

Aquaease E 9281 S is a powdered alkaline product phosphate and chelator free, which may be used as a soak cleaner or as a soak-electro cleaner for cleaning ferrous metals, stainless copper, or copper plated work.

Aquaease E 9281 S was specifically developed for a barrel operation. The function of the cleaner e 9281 s is twofold:

To clean the metal and keep the Polypropylene barrel clean.

Aquaease E 9281 S should not be used as a soak or electro clean on: Aluminum Alloys, Zinc Die Castings, or Brass Alloys.

Features & Benefits

Soak/electro cleaner	Works on ferrous metals, stainless or Copper
Developed for barrel operation	Cleans the metal and keeps Polypropylene barrel clean

Operating Conditions

Soak Cleaner or Soak-Electro

Concentration	6 – 16 oz/Gal
Temperature	140°F – 200°F
Time	1 – 5 min
Current density	20 – 50 amps/ft^2 (When used as soak-electro)
Equipment	Mild steel tanks, anodes and heating coils
Ventilation	Suggested when used as electro cleaner

<u>Tank make up procedure</u>
Considerable heat is generated when Aquaease E 9281 S is dissolved in water. A new solution should be prepared by filling the tank half full of warm water (approx. 100°F,

37°C), and slowly adding Aquaease E 9281 S while continuously stirring. After Aquaease E 9281 S has been dissolved, add the remainder of the cold water. Heat or cool to desired operating temperature before use.

Note: When adding Aquaease E 9281 S to an operating solution, add slowly to avoid eruption.

Titration Method

1. Use 10 mL sample of Aquaease E 9281 S solution.
2. Add 5 to 10 drops Phenolphthalein indicator.
3. Titrate with 0.5 N Hydrochloric Acid.
4. Record mL used.

Calculation

Concentration = mL 0.5N HCl x 0.46

Test Kit Method

1. Fill test bottle 1/3 full of water.
2. Add ½ mL cleaner E 9281 S solution.
3. Add 5 to 10 drops of Methyl Orange indicator.
4. Add 0.72 N Hydrochloric Acid dropwise until the color turns to reddish orange.
5. Record the number of drop used.

Calculation

Concentration = # Drops 0.72 N HCl x 0.36

Waste Disposal

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

Caution

Aquaease E 9281 S 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].