



Product Bulletin

Better Chemistry. **Better Business.**

Aquaease™ E 9281 S

Product Code: 2001014
Revised Date: 12/16/2015

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-electrocleaner 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 electroclean on: Aluminum Alloys, Zinc Die Castings, or Brass Alloys.

OPERATING CONDITIONS AS A SOAK CLEANER OR SOAK-ELECTRO

Concentration:	6 to 16 oz/gal
Temperatures:	140 to 200F
Time:	1 to 5 minutes
Current Density:	20 to 50 amps/Ft ² (when used as soak-electro)
Equipment:	Mild steel tanks, anodes and heating coils.
Ventilation:	Suggested when used as electrocleaner

TANK MAKE UP PROCEDURE

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.**



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CONTROLS

TITRATION PROCEDURE

Use 10 ml sample of Aquaease™ E-9281-S solution, titrate with 0.5 N HCL, 5-10 drops phenolphthalein indicator.

Concentration of Aquaease™ E-9281-S = $\text{MLS N/2 HCL N/2} \times 0.46$

TEST KIT PROCEDURE

Fill bottle 1/3 full of water and then add 1/2 ml cleaner E-9281-S solution. Add 5-10 drops of Methyl Orange indicator; add 0.72 N Hydrochloric Acid dropwise until color turns to reddish orange.

Concentration of Aquaease™ E-9281-S = $\text{Drops N-94 Solution} \times 0.62$

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™ 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 MSDS 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.