Aquaease™ S 187 NE

Aquaease S 187 NE is a water soluble, non-silicate, non-etch, mildly alkaline soak cleaner for aluminum, aluminum alloys, and alclad stock. Aquaease S 187 NE is formulated to remove stenciling inks, fabrication oils, and shop dirt's without etching the aluminum.

Features & Benefits

Will perform in hard water areas as well as it does in soft water areas	Can be used in areas where the rinse between the soak cleaner and alkaline etch is quite poor or non-existent
Because Aquaease S 187 NE is non-silicate, it will not interfere with subsequent conversion coatings or bright dips	Safe to handle - contains mild alkaline material.

Physical Data

Solubility in water	Appreciable
Appearance and odor	White powder
pH	9.0 – 10.0

Operating Conditions

Concentration	4 – 12 oz/Gal (30 – 90 g/L)
Temperature	140°F –190°F (60°C – 88°C)
Time	2 – 6 min
Equipment	Mild steel tanks and heating coils

Note: At the higher operating temperatures 170°F – 190 °F (77°C – 88 °C) there will be some slight gassing on the work's surface.

Titration Method

1. Pipette 10 mL sample of Aquaease S 187 NE into a 250 mL Erlenmeyer flask.
2. Add 50 mL of water and 4 to 5 drops Bromophenol Blue indicator to Erlenmeyer flask.
3. Titrate with 0.5 N Hydrochloric Acid until color goes from blue to greenish-yellow.
4. Record mL used.

Calculation

Factor (oz/Gal)	*1.0*
Factor (g/L)	*7.7*

Concentration = mL 0.5 N HCl x Factor

Test Kit Method

1. Fill bottle 1/3 full of water.
2. Add 1 mL sample of Aquaease S 187 NE.
3. Add 10 drops Methyl Orange indicator.
4. Add 0.72 N Hydrochloric Acid solution dropwise until the color changes from yellow to red-orange.
5. Record number of drops used.

Calculation

Factor (oz/Gal)	*0.65*
Factor (g/L)	*5.00*

Concentration = # Drops of 0.72 N HCl x Factor

Waste Disposal

Discharge cleaner solution to a disposal unit. Adjust pH between 6 to 8 with a mineral acid. In order to be completely informed on the latest regulations for your area, please contact the local authorities.

Caution

Aquaease S 187 NE is mildly alkaline. Avoid skin, eye and oral contact. Wear protective clothing, goggles and gloves when handling the product. If exposed, flush thoroughly with clear, cold water. In case of injury please contact a doctor.

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].