Aquaease® PL 72 A32

Aquaease PL 72 A32 is a versatile, mildly alkaline, non-chelated, non-silicate liquid cleaner for use in spiral spray (helical screw) washers, spiral scoop washers, immersion tanks, and “up and down” dip machines. It may be used for cleaning ferrous metals, copper, brass, bronze, aluminum alloys, nickel clad steel, stainless steel, and zinc die-castings.

Aquaease PL 72 A32 may be used to clean a variety of synthetic lubricants and coolants, quench oils, stamping and drawing lubricants. It can be used with ultrasonic in immersion cleaning operations.

This product contains phosphate builders, please consult with your EHS staff regarding waste disposal requirements.

Features & Benefits

Silicate and nitrite free	Ideal for cleaning before heat treating operations
Low foaming	Effective at lower temperatures
Non-chelated	Easily waste treated
Mildly alkaline	Safe on multiple metals
Inhibitor package	Temporary corrosion protection for copper alloys

Physical Data

Specific gravity	1.18
Solubility in water	Complete
Appearance and odor	Yellow to amber, mild sweet odor
pH 10% solution	7.5 – 8.5
pH concentrate	8.0 – 9.0

Operating Conditions

When processing aluminum alloys or zinc die-castings, the operating temperature of the Aquaease PL 72 A32 should not exceed 140°F (60°C).

Spiral washer Operation

Concentration	1% – 5%
Temperatures	130°F – 160°F (55°C – 72°C)

Soak or AGI-dip Operations

Concentration	5% – 15%
Temperatures	130°F – 180°F (55°C – 83°C)
Equipment	Mild Steel, 304, or 316 stainless steel

Note: Heat to 120°F before operating spray washer to prevent foam formation.

Titration Method

1. Pipette a 50 mL sample into a 250 mL Erlenmeyer flask and dilute with 100 mL water.
2. Add 8 to 10 drops Methyl Orange indicator and mix.
3. Titrate with 0.5 N Hydrochloric Acid until a color change of yellow to pink occurs.
4. Record mL used.

Calculation

Concentration = mL 0.5 N HCl x 0.58

Test Kit Method

1. Fill test bottle ¼ full of water.
2. Using a syringe measure out a 5 mL sample of Aquaease PL 72 A32 working solution and transfer it into the test kit bottle.
3. Add 8 to 10 drops of Methyl Orange indicator.
4. Add 0.72 N Hydrochloric Acid dropwise until the solution turns from yellow to pink orange.
5. Record the number of drops used.

Calculation

Concentration = # Drops of 0.72 N HCl x 0.36

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

Even though Aquaease PL 72 A32 is a mildly alkaline liquid one should wear protective clothing and goggles when handling this product. If exposed, flush thoroughly with clear, cold water. In case of injury contact a doctor. Consult SDS for more information.

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].