Aquaease® PL 72 A16

Aquaease PL 72 A16 is a mildly alkaline, water soluble, liquid cleaner for ferrous metals, copper, brass alloys, aluminum alloys and nickel clad stock. Aquaease PL 72 A16 may be used to clean a variety of synthetic lubricants and coolants, heat treat oil, quench oils and stamping and drawing lubricants.

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

Features & Benefits

Biodegradable surfactants	No fumes
Suitable for various metals	Free rinsing

Physical Data

Specific gravity	1.18
Solubility in water	Complete
Appearance and odor	Pale yellow liquid, mild sweet odor
pH concentrate	8.5 – 9.0

Operating Conditions

Concentration	3% – 10%
Temperature	120°F – 180°F (49°C – 82°C)

Note: When cleaning aluminum alloys operate Aquaease PL 72 A16 solution at 140°F. (60°C.) maximum.

<u>Spiral washer machine for cleaning steel</u>
1. Spray/immersion clean Aquaease PL 72 A16 5% (vol.) 160°F. (72ºC)
2. Cold water spray rinse
3. Cold water spray rinse
4. Inhibited final hot rinse, Metal Guard 850, 1 to 2% (vol.)

5. Dry, either with grit cob or hot air

Note: Metal Guard 850 was introduced to prevent rusting of steel. However, depending upon the specific process, a Metal Guard product may not always be required.

Titration Method

1. Pipette a 50 mL sample into a 250 mL Erlenmeyer flask and dilute with 100 mL water.
2. Add 7 drops Methyl Orange indicator and mix.
3. Titrate with 0.5 N Hydrochloric Acid until a color change of yellow to orange occurs.
4. Record mL used.

Calculation

Concentration = mL 0.5 N HCl x 0.67

Test Kit Method

1. Fill test bottle 1/4 full of water.
2. Using syringe, add 5 mL Aquaease PL 72 A16 solution to the bottle.
3. Add 5 to 10 drops Methyl Orange indicator.
4. Add 0.72 N Hydrochloric Acid drop wise until solution turns from yellow to red orange.
5. Record the number of drops used.

Calculation

Concentration = # Drops 0.72 N HCl x 0.39

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

Aquaease PL 72 A16 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].