



Aquaease™ PL 109

Aquaease PL 109 is a mildly alkaline, low-foaming liquid cleaner for application in any of the following types of power spray machines: monorail conveyor, continuous belt, spiral washers, or cabinet.

Aquaease PL 109 was specifically developed to replace a vapor degreasing operation with a power spray washer system to facilitate a high rate of workflow.

Aquaease PL 109 may be used to clean all metals and surfaces. The Aquaease PL 109 will clean a variety of metal processing lubricants--synthetic lubricants, sulfurized and chlorinated oils, lard oil based, etc.

Features & Benefits

Biodegradable surfactant system	Nitrite & phosphate free
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Physical Data

Specific gravity	1.08
Solubility in water	Infinite
Appearance and odor	Water white, detergent odor
pH (conc)	13 – 14

Operating Conditions

Concentration	2% – 7% 5% for most applications
Temperature	120°F – 190°F
Equipment	Mild steel tanks and heating coils

Note: Heat to 120°F before operating spray washer



Titration Method

1. Using a 100 mL graduated cylinder, measure a 100 mL sample into a 250 mL Erlenmeyer flask.
2. Add 4 drops Phenolphthalein indicator and mix.
3. Titrate with 0.5 N Hydrochloric Acid until the color changes from pink to colorless.
4. Record mL used.

Calculation

$$\text{Concentration} = \text{mL } 0.5 \text{ N HCl} \times 0.43$$

Test Kit Method

1. Fill sample bottle 1/3 full of water.
2. Add 5 mL Aquaease PL 109 solution.
3. Add 4 to 8 drops Methyl Orange indicator.
4. Add 0.72 N Hydrochloric Acid dropwise until color turns from yellow to orange.
5. Record number of drops used.

Calculation

$$\text{Concentration} = \# \text{ Drops } 0.72 \text{ N NaOH} \times 0.33$$

Waste Disposal

Discharge to a disposal system. To be completely informed on the latest regulations for your area, please contact the local authorities.

Caution

Aquaease PL 109 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.



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.