Aquaease™ PL 209

Aquaease PL 209 is a mildly alkaline, low-foaming liquid cleaner used for cleaning, deburring, and burnishing in vibratory finishing mills or oblique barrels. In addition, it has application as a spray cleaner in any of the following types of power spray machines: monorail conveyor, continuous belt, spiral washers, or cabinet washers. Aquaease PL 209 may also be used as a general-purpose soak cleaner.

Aquaease PL 209 when used in no rinse vibratory finishing applications, will leave a residual film on the parts offering excellent short-term corrosion resistance. If parts are subjected to high temperatures (up to 800°F.) the protective film will remain effective in offering short-term corrosion inhibition.

Aquaease PL 209 may be used to clean all metals and surfaces.

Features & Benefits

Biodegradable surfactant system	Chelator and Phosphate free

Physical Data

Specific gravity	1.08
Solubility in water	Infinite
Appearance and odor	Clear blue liquid with a mild detergent odor
pH (conc)	11.0 – 12.0

Operating Conditions

Concentration	2 – 7% (vol) – suggest 5% (vol) for most applications
Temperatures	70°F – 80°F in vibratory finishing mills, 150°F – 200°F for general metal cleaning is spray washers or in immersion

	cleaning.
Equipment	Mild steel tanks and heating coils

Note: Heat to 120°F before operating in spray washers

Titration Method

1. Using a 50 mL-graduated cylinder, measure a 50 mL sample into a 250 mL Erlenmeyer flask.
2. Add 8 drops Phenolphthalein indicator and mix.
3. Titrate with 0.1 N Hydrochloric Acid until the color changes from pinkish purple to light blue.

Calculation

mL of 0.1 N Hydrochloric Acid X 0.33 = % (vol) Aquaease PL 209

Test Kit Method

1. Place 25 mL Aquaease PL 209 solution in sample bottle.
2. Add 8 drops Phenolphthalein indicator.
3. Add 0.72 N Hydrochloric Acid drop wise until color turns from pinkish purple to light blue. Record number of drops used.

Calculation

Aquaease PL 209 % (vol) = 0.38 X number of drops of 0.72 N Hydrochloric Acid

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 PL 209 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].