Aquaease™ PL 714

Aquaease PL 714 is a phosphate containing, mildly alkaline, low-foaming liquid cleaner for the following types of power spray machines: monorail conveyor, continuous belt, spiral washers, or cabinet. Aquaease PL 714 may be used to clean ferrous metals, copper, brass alloys, bronzes, aluminum alloys, Stainless Steel, nickel clad stock, zinc base die castings, and chromated aluminum surfaces.

Features & Benefits

Concentrated liquid	Effective at lower concentrations
Low foaming	Effective at lower temperatures
Non-chelated	Safe for waste treatment systems
Mildly alkaline	Safe on multiple metals

Physical Data

Specific gravity	1.06
Solubility in water	Complete
Appearance and odor	Amber to brown, mild odor
pH 10% solution	11.0 – 12.0
pH concentrate	12.0 – 13.0

Operating Conditions

Concentration	2% – 6% Recommend 3% for most applications
Temperatures	When cleaning ferrous metals, operating temperature range is 120°F – 170°F.

When processing chromated aluminum parts, operating temperature should not exceed 140°F.

When processing aluminum, zinc die castings, galvanized surfaces and brass alloys, the operating temperature should range between 120°F to 150°F.

Equipment	Mild steel, 304, or 316 SS

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

Titration Method

1. Using a graduated cylinder or pipette, transfer a 200 mL sample into a 250 mL Erlenmeyer flask.
2. Add 5 to10 drops Methyl Orange/ Xylene Cyanole indicator and mix.
3. Titrate with 0.5 N Hydrochloric Acid until the color changes from green to purple.
4. Record mL used.

Calculation

Concentration = mL 0.5 N HCl x 0.38

Test Kit Method

1. Fill sample bottles 1/4 full of water.
2. Using a 30 mL syringe, place a 20 mL sample of cleaner in sample bottles.
3. Add 5 to 10 drops Phenolphthalein indicator.
4. Add 0.72 N Hydrochloric Acid drop wise until pink color disappears.
5. Record the number of drops used.

Calculation

Concentration = # Drops 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

Aquaease PL 714 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].