



Better Chemistry. **Better Business.**

Aquaease™ PL 714

Product Code: 2053007
Revised Date: 9/6/2016

Aquaease™ PL 714

DESCRIPTION

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 AND BENEFITS

- Liquid concentrate
- High detergency
- Low foam
- Used on multiple metals
- May brighten copper alloys
- Moderately alkaline (pH 12 to 12.5)
- Short term corrosion protection
- Does not contain chelating agents

TYPICAL APPLICATIONS

- Strip mill spray cleaning
- Reel to reel and spiral wash spray cleaning
- Tumble barrel cleaning
- Soak immersion cleaning
- Spray cleaning prior to painting and/or phosphating
- General maintenance
- Vehicle spray cleaning





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PHYSICAL DATA

Specific gravity: 1.059
Solubility in water:complete
Appearance and odor:..... light yellow liquid, mild detergent odor
pH:(conc.):..... 12.7

OPERATING PARAMETERS

Concentration: 2 to 6% (vol.) - suggest 3% (vol.) for most applications.

Temperatures: *When cleaning ferrous metals, operating temperature range is 120°F to 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 tanks and heating coils.

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

CONTROLS

TEST KIT PROCEDURE

1. Fill sample bottles 1/4 full with water. Using a 25 ml graduated cylinder, place a 20 ml sample of cleaner in sample bottles.
2. Add 5-10 drops Phenolphthalein indicator.
3. Add 0.72 N Hydrochloric Acid drop wise until pink color disappears.

% vol Aquaease™ PL 714 = Drops 0.72 N Hydrochloric Acid used X 0.36





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TITRATION PROCEDURE

1. Using a graduated cylinder or pipette, transfer a 200 ml sample into a 250 ml Erlenmeyer flask.
2. Add 5-10 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. Calculations:

$$\text{CONCENTRATION \% (VOL)} = 0.38 \times \text{MLS } 0.5\text{N HCL}$$

WASTE DISPOSAL

Discharge rinses and spent solutions 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 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.

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.

