



# Product Bulletin

Better Chemistry. **Better Business.**

**Aquaease™ PL 209**

**Product Code: 2053043**  
**Revised Date: 2/26/2016**

## 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 degrees 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.

### ADVANTAGES

- Caustic free
- Low foaming
- Liquid form makes it easy to add. No dangerous spatters or dissolution problem.
- Mixes readily with cold water.
- Biodegradable surfactant system.
- Chelator free
- 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.): ..... 11-12



## Product Bulletin

Better Chemistry. **Better Business.**

**Aquaease™ PL 209**

**Product Code: 2053043**  
**Revised Date: 2/26/2016**

### OPERATING CONDITIONS

Concentration: 2 to 7% (volume) - suggest 5% (volume) for most applications  
Temperatures: 70-80 degrees F. in vibratory finishing mills, 150-200 degrees 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**

### CONTROLS

#### TEST KIT PROCEDURE

1. Place 25 mls **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.

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

#### TITRATION PROCEDURE

1. Using a 50ml-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.

**Mls of 0.1 N Hydrochloric Acid X 0.33 = % (vol) Aquaease™ PL 209**

### 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.



## Product Bulletin

Better Chemistry. **Better Business.**

**Aquaease™ PL 209**

**Product Code: 2053043**  
**Revised Date: 2/26/2016**

### **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.