



Better Chemistry. Better Business.

Aquaease™ PL 72 A16

Product Code: 2053005
Revised Date: 01/28/2009

Aquaease™ PL 72 A16

DESCRIPTION

Aquaease™ PL 72 A16 is a mildly alkaline, water soluble, liquid cleaner for ferrous metals, copper, brass alloys, aluminum alloys and nickel clad stock. **Aquaease™ PL 72 A16** may be used to clean a variety of synthetic lubricants and coolants, heat treat oil, quench oils and stamping and drawing lubricants.

FEATURES AND BENEFITS

- Concentrated liquid
- Mild pH of 8-9
- Silicate free
- Nitrate / nitrite free
- No fumes
- Biodegradable surfactants
- Free rinsing
- Suitable for various metals

TYPICAL APPLICATIONS

- Soak tank cleaning
- Spray cleaning
- In process cleaning
- Cleaning prior to paint
- Cleaning prior to plating
- Cleaning prior to metal coloring



Product Bulletin

Better Chemistry. **Better Business.**

Aquaease™ PL 72 A16

Product Code: 2053005
Revised Date: 01/28/2009

PHYSICAL DATA

Specific gravity 1.184
Solubility in water..... complete
Appearance and odor..... pale yellow liquid, mild sweet odor
pH(conc.) 8.5 To 9.0

OPERATING PARAMETERS

Concentration: 3 to 10% (volume)
Temperature: 120-180°F (49-82°C)

Note: When cleaning aluminum alloys operate **Aquaease™ PL 72 A16** solution at 140F. (60 C.) maximum

SPIRAL WASHER MACHINE FOR CLEANING STEEL

1. Spray/immersion clean **Aquaease™ PL 72 A16** (5% (vol.) 160 F. (72°C)
2. Cold water spray rinse
3. Cold water spray rinse
4. Inhibited final hot rinse, Metal Guard 850, 1 to 2% (vol.)
5. Dry, either with grit cob or hot air

Note: Metal Guard 850 was introduced to prevent rusting of steel. However, depending upon the specific process, a Metal Guard product may not always be required.

CONTROLS

TEST KIT PROCEDURE

1. Fill test bottle 1/4 full with water.
2. Add 5 mls. **Aquaease™ PL 72 A16** solution to the bottle, using the 5 ml pipette.
3. Add 3 drops M.O. Indicator.
4. Add drop wise N-94 solution until solution turns from yellow to red-orange.
5. Record number drops N-94 solution used.

CONCENTRATION (% VOL.) = 0.39 X DROPS N-94 SOLUTION



Product Bulletin

Better Chemistry. **Better Business.**

Aquaease™ PL 72 A16

Product Code: 2053005
Revised Date: 01/28/2009

TITRATION PROCEDURE

1. Pipette a 50 ml sample into a 250 ml Erlenmeyer flask and dilute with 100 ml water.
2. Add 7 drops methyl orange indicator and mix.
3. Titrate with 0.5 N HCl until a color change of yellow to orange occurs.
4. Record mls of 0.5 N HCl used.

CONCENTRATION % (VOLUME) = 0.67 X MLS 0.5 N HCL USED

CAUTION

Aquaease™ PL 72 A16 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 MSDS FOR DETAILS

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.

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.