Aquaease™ SL 80

DESCRIPTION

Aquaease™ SL 80 was developed specifically to replace the vapor degreasing operation or the use of chlorinated solvents in the cleaning of metals. It is a liquid, silicated, moderately alkaline, phosphate and chelating agent free soak cleaner, for all metals. Aquaease™ SL 80 is recommended for heavy duty cleaning where high degrees of soil loading are anticipated.

Aquaease™ SL 80 is very effective at cleaning chlorinated and sulfur containing oils from most metals. It is also effective at removing fabricating lubricants, shop dirt, and identification inks without attacking aluminum. Aquaease™ SL 80 may be used as the initial alkaline soak cleaner in aluminum finishing operations such as: anodizing, chromate conversion coating, phosphate conversion coating, and plating of aluminum.

FEATURES AND BENEFITS

- Concentrated liquid
- No phosphates
- No chelating agents
- Will not etch aluminum
- High detergency
- Splits most oils
- Can be used on all metals
- Long life
- Easily waste treated
- High chrome tolerance
Aquaease™ SL 80  
Product Code: 2052002  
Revised Date: 01/30/2009

TYPICAL APPLICATIONS

- Soak cleaning in electroplating lines
- Soak cleaning in black oxide / metal coloring lines
- Soak cleaner in phosphate conversion coating lines
- Soak cleaner in chromate conversion lines
- Part on part barrel tumble cleaning

PHYSICAL DATA

Specific gravity ................................................................. 1.115
Solubility in water ............................................................. infinite
Appearance and odor ....................................................... amber liquid
pH (conc.) .................................................................... 13 < 14

OPERATING CONDITIONS

Concentration: 5% to 20% by volume
Temperatures: 140° to 190°F (max)
Immersion time: as required
Equipment: mild steel, stainless, or polypropylene tanks

NOTE: Aquaease™ SL 80 solutions should never be carried directly into an alkaline etch. The work must always be rinsed prior to alkaline etching. A rinse temperature of 150 F. is advised.

CONTROLS

TEST KIT PROCEDURE

1. Fill test kit bottle 1/2 way with water.
2. Using a syringe or 10 ml graduated cylinder measure out a 5 ml sample of Aquaease™ SL 80 and transfer it into the test kit bottle.
3. Add 5-10 drops Methyl Orange Indicator.
4. Add N-94 solution drop wise until the solution turns red.
5. Record the drops N-94 used.

   CONCENTRATION (% VOL) = DROPS N-94 SOLUTION X 0.33

TITRATION PROCEDURE

1. Pipette 50 ml sample of cleaner solution into a 250 ml Erlenmeyer flask and dilute to 100 mls with water.
2. Add 5 drops of methyl orange indicator.
3. Titrate with 0.5 N hydrochloric acid until the solution turns red.
4. Record mls 0.5 N hydrochloric acid used.

   CONCENTRATION (% VOL) = 0.5 N HCL X 0.53

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™ SL 80 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.