Product Bulletin
Product Name: Lusterclean W 67M
Product Code: 2052054
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Lusterclean W 67M

Lusterclean W 67M is a multifunctional, phosphate, cyanide, and silicate free alkaline liquid product, which may be used in soak / immersion cleaning operations on steel, Stainless Steel, brass, and copper substrates. It also performs excellently as an aluminum etch or at higher concentrations as an alkaline de rusting solution for steel and 400 series Stainless Steel.

Lusterclean W 67M may also be used as an anodic, cathodic, or periodic reverse electro cleaner for steel substrates and as a spray cleaner for steel and Stainless Steel.

It is an ideal product for use prior to anodizing or electroplating.

Features & Benefits

Highly concentrated	Multifunctional: clean, etch, de rust
Suitable for automatic feed systems	Low foaming
Effective over a wide temperature range	Rapid solubility in water at any temperature

Operating Conditions

Mild Etch on Aluminum – i.e. Capacitors

Concentration	1% – 3%
Temperature	Ambient – 170°F
Time	20 – 60 sec

Heavier Etch on Aluminum – i.e. Prior to Anodizing

Concentration	5% – 10%
Temperature	100°F – 160°F
Time	30 – 180 sec

Alkaline Derusting of Steel or Stainless Steel

Concentration	10% – 25%
Temperature	160°F – 200°F
Time	Typically, 10 – 60 min

Note: Extremely heavy rust and corrosion may require the use of time and concentrations outside the ranges specified above.

Electro cleaning

Concentration	10% – 20%
Temperature	120°F – 160°F
Current density	20 – 60 amp/ft^2
Time	30 – 180 sec

Immersion / soak cleaning

Concentration	5% – 10%
Temperature	140°F – 180°F
Time	2 – 5 min

Spray cleaning

Concentration	3% – 5%
Temperature	140°F – 170°F
Time	30 – 120 sec

Equipment

Tank	Steel, rubber lined steel
Heating coils	Steel, Stainless Steel, type 316 preferred
Racks	Steel or Stainless Steel

Titration Method

1. Pipette a 5 mL sample into a 250 mL Erlenmeyer flask and dilute with 50 mL of water.
2. Add 4 drops of Phenolphthalein indicator and mix.
3. Titrate with 0.5 N Hydrochloric Acid until the color changes from red to colorless.
4. Record mL used.

Calculation

Concentration = mL 0.5 N HCl x 1.11

Test Kit Method

1. Fill test bottle 1/2 full of water
2. Transfer 2 mL sample using syringe of Lusterclean W 67M into sample bottle.

3. Add 5 to10 drops of Phenolphthalein indicator.
4. Add 0.72 N Hydrochloric Acid dropwise until the color changes from pink to colorless.
5. Record the number of drops used.

Calculation

Concentration = # Drops of 0.72 N HCl x 0.16

Waste Disposal

Rinse water and spent solutions should be treated in a permitted (state and or federal) wastewater treatment system. In order to be completely informed on the latest regulations for your area, please contact the local authorities. Hubbard-Hall's wastewater treatment specialists are available for consultation on the most current waste water treatment technologies.

Caution

Read and thoroughly understand the Lusterclean W 67M safety data sheet (SDS) before handling and working with this product. Lusterclean W 67M is highly alkaline. Avoid skin, eye, and oral contact. Wear protective clothing, gloves and goggles when handling the product. Flush exposed areas immediately with clean, cold water. Contact a doctor immediately in cases of eye contact or if significant tissue destruction is present.

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For more information on this process,
please call us at 203.756.5521 or email: techservice@hubbardhall.com

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