



# Product Bulletin

Better Chemistry. **Better Business.**

**Lusterbrite AC 10**

**Product Code: 2052103**  
**Revised Date: 03.16.2017**

## Lusterbrite AC 10 Heavy Duty Acid Cleaner

**Lusterbrite AC 10** is an acidic soak and ultrasonic cleaner that may be used for the removal of a variety of soils and oxides from copper alloys, aluminum, stainless steel, Monel, and other high nickel alloys. **Lusterbrite AC 10** contains a high percentage of surfactants designed to remove forming lubricants, machining oils, and light rust or scale from these substrates. When used as recommended will not etch most aluminum or stainless steel alloys.

**Lusterbrite AC 10** can be used for part-on-part burnishing and vibratory finishing of copper alloys, stainless steel, Monel, and other nickel based alloys / substrates.

### FEATURES

- Highly concentrated
- High detergency
- Can be used as a burnishing compound
- Removes light rust and scales
- Contains no mineral acids
- No chloride
- Non-fuming
- Safer than sulfuric acid
- No citric acid or other chelating agents

### PHYSICAL DATA

Specific gravity .....	1.06
Solubility in water .....	complete
Appearance and odor .....	amber, mild odor
PH 10% solution .....	2.8
PH concentrate .....	2.25





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### OPERATING CONDITIONS

3% to 10% (volume) - the dilution will depend upon the soils involved. The rate at which soils, rust, and oxides are removed can be affected by build-up of iron or other metallic salts in the working solutions. This may be compensated for to some extent by increasing the temperature and or the solution concentration.

Temperature ..... room to 170 °F (77 °C)  
Ventilation ..... when heated or used in spray systems

When used for cleaning aluminum a concentration of 5 to 10% by volume at temperatures up to 170 degrees F with dwell times of 5 to 10 min. is recommended. These parameters will result in little or no etch on most aluminum alloys.

When used as a burnish compound a concentration of 0.2 to 2% by volume is recommend. For the removal of heavier oxides concentration of 5 to 10% by volume may be required.

Equipment ..... stainless steel, polypropylene, polyethylene  
..... fiberglass or rubber lined tanks  
Heater ..... stainless steel or nickel-plated steel piping

### CONTROL PROCEDURE

#### Titration Method

- Take a 25 ml. sample of **Lusterbrite AC 10** solution into a 250 ml. Erlenmeyer flask and dilute to 50 ml. with DI water.
- Add 3-5 drops of phenolphthalein.
- Titrate to pink endpoint with .1N sodium hydroxide solution.
- Record ml. of sodium hydroxide used.

**% by Volume Lusterbrite AC 10 = # ML. of .1N Sodium Hydroxide used X 3.9 (correction factor)**





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### WASTE DISPOSAL

Neutralize solutions of **Lusterbrite AC 10** to a pH of 6 to 8 with either caustic soda or soda ash before discarding. In order to be completely informed on those latest waste disposal regulations for your area; please contact the local authorities.

### CAUTION

**Lusterbrite AC 10** is an acidic product; avoid skin, eye and oral contact. Wear protective clothing, facemask, chemical goggles and gloves when handling the product and its made-up solutions. Flush exposed areas immediately with copious amounts of clean, cold water. Contact a doctor immediately 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.

