

Luster-On Products

Technical Data Sheet

LUSTER-ON 3310L

CONCENTRATED HEAVY DUTY LIQUID ELECTROCLEANER FOR STEEL

I. GENERAL DESCRIPTION

Luster-On 3310L is a concentrated liquid formulation designed to be used with 50% Liquid Caustic Soda to produce a heavy-duty alkaline electrocleaner. Excellent for the removal of smut and soils from ferrous metal surfaces before electroplating, LusterOn 3310L is available in both a chelated and non-chelated formulation. Luster-On 3310L will also provide superior cleaning in hard water areas.

Luster-On 3310L is recommended to relieve the handling problems associated with powdered cleaners. Use of this system eliminates the problems of dusting, caking and undissolved cleaner at the bottom of the process tank. Additions may be made to a hot or cold tank without danger of boil-over for safer, more efficient operation.

Luster-On 3310L may be added with automatic control equipment, assuring maximum cleaning efficiency at all times. Our Equipment Department can provide controllers and metering equipment for these applications.

READ MATERIAL SAFETY DATA SHEETS ON LUSTER-ON 3310L AND LIQUID CAUSTIC SODA (50% SODIUM HYDROXIDE) BEFORE USING.

II. BATH MAKEUP

Fill the tank half full with cold water and add the calculated amount of liquid caustic soda with thorough mixing. Follow with addition of calculated amount of Luster-On 3310L and mix well. Raise solution level and operating temperature to operating range.

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LUSTER-ON 3310L

III. OPERATING CONDITIONS

Concentration	-	6% by volume.
50% Liquid Caustic	-	6% by volume.
Temperature	-	160° - 180°F.
Time	-	30 sec.-2 min. depending upon nature of soil and current density employed.
Current	-	30-60 amps/ft ² ANODIC

IV. CONTROL

1. Pipette a 10-ml sample of cleaner to be tested into a 250 ml Erlenmeyer flask and add about 50 ml of water.
2. Add about 5 drops of Congo Red Indicator.
3. Titrate with 1.0 N Hydrochloric Acid until the solution color changes from red to blue.
4. **CALCULATION:** $\text{mls } 1.0 \text{ N HCL} \times 0.50 = \% \text{ by volume Luster-On } 3310\text{L}$
5. **ADDITIONS:** Always add 1 gallon of 50% Liquid Caustic for every 1 gallon of Luster-On 3310L required.

V. DISPOSAL

Neutralize and discharge according to Federal, State and Local Regulations.

VI. STORAGE

Suitable for indoor storage. No effect on aging. Keep container closed when not in use.

VII. PACKAGING

580 lb. Non-returnable black plastic drum.

330-gallon returnable tote.

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VIII. SAFETY AND HANDLING PRECAUTIONS

THE FOLLOWING PRECAUTIONS APPLY TO BOTH THE CONCENTRATED PRODUCT AND WORKING SOLUTIONS MADE UP USING THIS PRODUCT.

Luster-On 3310L is a highly alkaline industrial material.
Direct contact causes burns of eyes and skin.
It is harmful if swallowed or inhaled.
Avoid contact with eyes, skin and clothing.
Wear rubber gloves, safety goggles or face shield and suitable protective clothing when handling concentrate or solutions.
Wash thoroughly after handling.
Avoid breathing mist. Use with adequate ventilation.
Do not take internally.

FIRST AID IN CASE OF CONTACT

FOR SKIN: Immediately flush area with water for 15 minutes. Remove contaminated clothing and discard. Seek medical attention.

FOR EYES: Flush eye and lid areas immediately with plenty of water for at least 15minutes. Get immediate medical attention.

IF SWALLOWED: Wash out mouth thoroughly with water. Give several glasses of water or milk to drink. Follow with diluted vinegar, lemon juice or other citrus fruit juice. Get immediate medical attention.

KEEP OUT OF REACH OF CHILDREN

FOR INDUSTRIAL USE ONLY

This product sold for industrial use only. Our suggestions for its use are based upon tests and procedures that from experience we believe to be reliable. Since the use is beyond our control, neither we nor our distributors, can assume responsibility, either expressed or implied, for results and/or for any violation of any patents or any claims resulting from such use.

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Rev: 1/2000

