

Luster-On Products

Technical Data Sheet

LUSTER-ON 401

Soak Cleaner for Aluminum and Brass

I. GENERAL DESCRIPTION

Luster-On 401 is a non-silicated, non-etch cleaner for aluminum and a general purpose cleaner for brass and steel. It removes processing oils, shop dirt, marking inks, etc., while retaining the original luster. Luster-On 401 is recommended as an aluminum cleaner prior to anodizing, chromating, polishing or etching operations. It is used to clean zinc or copper alloys prior to chemical polishing, chromating or electroplating.

READ MATERIAL SAFETY DATA SHEET BEFORE USING THIS PRODUCT

II. BATH MAKE-UP

The cleaner should be made up by filling the tank half full with water and heating to 100°– 120°F. The calculated amount of Cleaner 401 is added slowly and carefully with stirring or other agitation. When all the cleaner has dissolved, bring the solution up to working level with water and heat to operating temperature.

III. OPERATING CONDITIONS

The cleaner should be operated in the temperature range of 130° - 170°F. at a concentration of 4 to 8 ounces per gallon. The immersion time will vary from 5 to 15 minutes depending upon the temperature, concentration and the nature of the soil to be removed.

IV. HELPFUL COMMENTS

Has good hard water tolerance.
Specially inhibited to prevent attack on aluminum.
Some agitation is desirable, but not mandatory.
Has good rinsability.

V. EQUIPMENT

Steel tank with steam, gas or electric heating.

Luster-on Products Inc., Springfield, MA - 800-888-2541, Fax 413-731-5549
www.luster-on.com E-MAIL sales@luster-on.com

LUSTER-ON 401 (CONT'D)

VI. PACKAGE

400 pound poly-lined fiber drum.

VII. STORAGE

Keep covered when not in use. Keep dry.

VIII. DISPOSAL

Dilute, then neutralize with an acidic material and discharge in accordance with Federal, State and Local Regulations.

IX. SAFETY AND HANDLING PRECAUTIONS

Moderately alkaline industrial product.

Avoid contact with eyes, skin and clothing.

Wear safety goggles, rubber gloves and other suitable protective clothing when handling.

Avoid inhalation of mist.

Use with adequate ventilation.

Do not take internally.

Keep container closed when not in use.

In case of spills and leakage, flush area with plenty of water.

Store in a cool place out of direct sunlight.

WARNING! Causes irritation of eyes. Prolonged skin contact causes irritation. Harmful if swallowed. Do not get in eyes. Avoid prolonged skin contact. Wash thoroughly after using.

FIRST AID IN CASE OF CONTACT

FOR EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Hold eyelids apart while flushing to insure contact of water with all surfaces of eyes and lids. **Get immediate medical attention!**

FOR SKIN: Immediately flush area with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes and wash before reuse. **Get immediate medical attention!**

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

IF INHALED: Remove from exposure. In case of severe overexposure, **get immediate medical attention!**

LUSTER-ON 401 (CONT'D)

IX. SAFETY AND HANDLING PRECATIONS (CONTINUED):

KEEP OUT OF REACH OF CHILDREN

FOR INDUSTRIAL USE ONLY

This product is sold for industrial use only. Our suggestions for its use are based upon tests and procedures, which 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 the results and/or for violation of any patents or any claims resulting from such use.

LUSTER-ON[®] is a registered trademark of **LUSTER-ON PRODUCTS, INC.**

Luster-On Products

Technical Data Sheet

CONTROL PROCEDURE FOR LUSTER-ON 401

1. Pipette a 25 ml sample into a 250 ml Erlenmeyer flask.
2. Dilute with 50 ml of water
3. Add 5 drops of Methyl Orange Indicator.
4. Titrate with 1.0 N Hydrochloric Acid until the color changes from orange to red.

Calculation

Ml of 1.0 N HCl X 0.72 = oz/gal. Luster-On 401

Luster-on Products Inc., Springfield, MA - 800-888-2541, Fax 413-731-5549
www.luster-on.com E-MAIL sales@luster-on.com