

Luster-On Products

Technical Data Sheet

LUSTER-FOS 2800

(Liquid zinc phosphate for steel, zinc, galvanized steel, cadmium plate and some aluminum alloys)

I. GENERAL DESCRIPTION

LUSTER-FOS 2800 is a liquid, five-stage zinc phosphate material capable of developing a fine to heavy grain crystal structure on steel, zinc, galvanized steel, cadmium plate and some aluminum alloys.

Versatile LUSTER-FOS 2800 is designed for immersion or spraywasher application for coating thicknesses to suit your needs. For pre-paint application, coating weights of 150 to 600 mg/ft² are recommended. These coating weights will produce fine-grained, tightly packed crystals to insure superior product appearance, coupled with long lasting corrosion tolerance by either spray or immersion application. For *cold forming*, drawing, and extruding operations, LUSTER-FOS 2800 can be used by tank application to produce coating weights of 1,000 to 4,500 mg/ft².

The crystal structure of the heavy zinc phosphate produced by LUSTER-FOS 2800 develops a highly absorbent surface. This enables excellent soak-up properties where supplemental coatings such as rust preventative oils or waxes are desirable.

Properly applied, LUSTER-FOS 2800 meets the requirements of the following Federal and Military Specifications: QQ-Z-32SA, Type III, QQ-P-416A, Type III, TT-C-490A, Type I, and Mil-C-490A, Grade I, Type I; Mil-F-14072 and Mil-P-16232D, Type Z.

II. TYPICAL CYCLE

See attached Application Procedure for five-stage spray application and five-stage immersion application.

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LUSTER-FOS 2800(continued)

III. CONTROL

- A. Immersion Application:
See Titration Pro @ ore #2.
- B. Spray Application:
See Titration Procedure #1.

IV. EQUIPMENT

- A. **Immersion Application:**
Holding tanks should be T304 or T316 stainless steel; 1/41, black iron steel tanks may also be used. Heating coils should be stainless steel.
- B. **Spray Application:**
Circulation tanks, heating coils, risers, nozzles, and pumps should be constructed of T304 or T316 stainless steel.

V. SAFETY AND HANDLING PRECAUTIONS

LUSTER-FOS 2800 is a highly acidic industrial product containing fluoride, causes severe burns that may or may not be immediately painful or visible. Harmful if swallowed or inhaled. Avoid contact with eyes, skin and clothing. Wear safety goggles, rubber gloves, and other suitable protective clothing when handling. Wash thoroughly after handling. Use with adequate ventilation. Avoid inhalation of mist or vapor. Do not take internally. Avoid contact with glass, ceramic or concrete. In case contact is made, rinse surface promptly and thoroughly with water. Avoid contact or mixing with materials containing chlorine. Before opening container, loosen closure slowly to relieve any pressure build-up. Keep container closed when not in use. Store in a cool place out of direct sunlight at temperatures below 1200 F.

FIRST AID:

In case of contact or suspicion of contact, prompt medical attention is absolutely necessary.

LUSTER-FOS 2800 (continued)

V. **SAFETY AND HANDLING PRECAUTIONS** (continued)

VI. **FIRST AID** (continued)

FOR EYES: Immediately flush with cool water for at least 15 to 30 minutes. Hold eyelids apart while flushing to insure contact of water with all surfaces of eyes and lid. Get prompt medical attention.

FOR SKIN: Immediately flush with a large quantity of cool water until all acid is removed, paying particular attention to skin under nails. Immediately remove contaminated clothing and shoes. In case medical attention is delayed, apply a generous quantity of paste made from powdered magnesium oxide or milk of magnesia and glycerin, freshly prepared. Wash clothing and shoes before re-use.

IF SWALLOWED: Rinse out mouth thoroughly with water. Give water to drink without delay. Follow with milk or two (2) ounces of milk of magnesia. Get prompt medical attention.

IF INHALED: Remove from exposure. Get medical attention.

KEEP OUT OF REACH OF CHILDREN.

VI. **DISPOSAL**

Neutralize and remove precipitate, which can be hauled away. Discharge solution portion in accordance with federal, state and local regulations.

VII. **STORAGE**

Keep container closed when not in use. Keep from freezing. Will restore after thawing.

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LUSTER-FOS 2800 (continued)

VIII. PACKAGING

620 pound net poly-lined drums.

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.

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