



CLOSED SYSTEM TREATMENT

# LT-2100

## OVERVIEW

LT-2100 Closed System Treatment is a highly concentrated powder blend of multi-metal corrosion inhibitors for use in chill and hot water heating systems. This product contains a synergistic blend of sodium nitrite, sodium silicate and benzotriazole for multi-metal corrosion inhibition. It also has sodium borate for effective pH buffering and a polymeric dispersant to help prevent under deposit corrosion and enhance inhibitor performance. The LT-2100 formula has been specifically designed to provide considerable improvement in anti-caking vs. typical powdered nitrite-based inhibitor blends.

## ADVANTAGES

- Highly concentrated powder formulation
- Best-in-class multi-metal inhibition
- Reduced freight weight & associated cost compared to liquid inhibitor solutions
- Enhanced anti-caking properties
- Increased environmentally conscious profile compared to liquid inhibitor solutions

## 8412X PHYSICAL DATA

**Appearance** / White Powder

**Odor** / Odorless

**Product pH** / 10.3

## AVAILABLE PACKAGING

**5-Gallon Pail** / 50 lbs.

**30-Gallon Fiber Drum** / 300 lbs.

**BULK**

## APPLICATION

LT-2100 is designed for use in closed loop recirculating water systems. It can provide highly effective performance in both chilled and heated water conditions, as well as those containing glycol. This product is not recommended for systems containing aluminum or for systems open to atmosphere.

## PRODUCT TESTING & MONITORING

LT-2100 can be maintained by monitored by use of a nitrite and azole test kit. For optimal product performance, LT-2100 should be dosed to provide a minimum Nitrite residual of 800 PPM as NaNO<sub>2</sub> for chilled water systems, and a minimum of 1,000 PPM as NaNO<sub>2</sub> for hot water systems.

## DOSAGE & FEEDING

Consult with your water treatment specialist when determining final product dosage. Total Nitrite residual should never be maintained below a total of 500 PPM as NaNO<sub>2</sub>, as this could accelerate corrosion rates. LT-2100 should always be maintained at the recommended treatment concentration to insure continuous protection. For best results, feed LT-2100 directly from the shipping container to a by-pass feeder equipped to the intended system requiring treatment. Your technical water treatment representative will recommend the proper feed rate and treatment dosage based on system operating parameters.

## HANDLING & SAFETY PRECAUTIONS

LT-2100 is an alkaline product. Always use common sense and wear all appropriate personal protection equipment when handling. Avoid contact with eyes and skin. If splashed in eyes, flush thoroughly with water and obtain medical attention. Clean up spills immediately. Keep container closed when not in use. Consult the SDS for additional handling information.