



chemex
industries, inc.

Technical Report

CL-2

CLOSED LOOP CORROSION INHIBITOR

- CL-2 is designed as a corrosion inhibitor for either closed loop chilled water systems or closed loop hot water systems.
- CL-2 is a blend of three separate corrosion inhibitors, a surfactant and an iron oxide reducing agent.

Formulation:

Nitrite + Azole + Metasilicate + Borax + HEDPA

Field Control:

Control Nitrite levels between 800-1200 ppm. Phenolphthalein is used as a tracer. If pink color appears in the treated system, Nitrite residual is present. Product dosage/100 gallons system volume to obtain 1000 ppm NaNO_2 is 0.285 gallons or 3.19 pounds.

Feed Rate:

$3836 \text{ ppm (feed rate)} \times 1,000 \text{ gallons water} = 31.9 \text{ lb.}$
120 (constant)

THE ABOVE FEED RATE WILL ESTABLISH 1200 PPM IN THE SYSTEM

Physical Description:

Weight: 11.2 Lbs. /Gal

Specific Gravity: 1.25

Product pH: 10.95

Color: Pink

Odor: None

Chemex Industries, Inc.