

## VE XO<sup>™</sup> X-PO<sup>®</sup> 100

### Commercial Scale & Corrosion Inhibitor

- **X-PO<sup>®</sup> 100** a concentrated blend utilized for regenerating corrosion control in applications where glycol inhibitors and pH have been compromised. **X-PO<sup>®</sup> 100** will quickly restore pH, provide multi-metal corrosion inhibition, and regenerate the reserve alkalinity buffering, which protects the glycol and metallurgy from organic acid formation and pH reduction.
- **X-PO<sup>®</sup> 100** contains a unique Filming Amine Corrosion Technologies based organic polyamine compound for protection of multi-metal systems. The organic film forming polyamine compound works to establish a rapid and tenacious protective corrosion barrier at the metal surface.
- **X-PO<sup>®</sup> 100** incorporates an azole compound resistant to oxidizing degradation used for the corrosion control of yellow metal compounds, Copper and Brass.
- **X-PO<sup>®</sup> 100's** blend of non-metallic compounds act to assist each other as both primary and secondary inhibitors, establishing a strong corrosion film formation at the metal site.
- **X-PO<sup>®</sup> 100** employs Polymeric dispersants which have been included in **X-PO<sup>®</sup> 100** to retard formation of Calcium ion based salts that can rob surfaces of heat transfer efficiencies.
- **X-PO<sup>®</sup> 100** has a dedicated Iron Oxide dispersant polymer that will assist in retarding under deposit corrosion cell formation from the porous Iron Oxide deposits that may be entrained in the system.
- **X-PO<sup>®</sup> 100's** Borax component will act as a buffering agent allowing the system to maintain pH over the longer term. Borax in some applications may help to retard formation of microbial activity but all closed systems should be treated intermittently with microbial control agents.

### Application Rate and Control Parameters

- **X-PO<sup>®</sup> 100's** application rate is approximately one-two gallons (8.73# - 17.5#) per 1,000 gallons of system water, 1,044 to 2,088 ppm.
- Residual control maintenance levels would be 25-50 ppm of active Organic Phosphonate. Control range testing can be done using either titration or digestion test procedures for the Organic Phosphonate component of **X-PO<sup>®</sup> 100**.
- It is advisable to apply intermittently to all closed loop systems microbial control agents such as X-PO<sup>®</sup> Bellacide 355 and then to monitor the total bacterial activity using dip slides or similar testing. Chlorine/ Bromine or other oxidizing microbial control agents can be applied when **X-PO<sup>®</sup> 100** is present but it is recommended not to use oxidizing microbial control agents in closed systems unless specific recommendations and control procedures are established. Consult your technical representative for specific microbial control treatment recommendations.

#### General Control Test Methods

#RT-897-H RediTab High Range Test Method (1drop = 5 ppm O.P.)

Refer to the SDS for further health, safety and environmental information regarding this product. Information and recommendations in this bulletin are based on information believed to be reliable. However, the use of the product is beyond our control, and no guarantee, expressed or implied, is made as to the effects of such the results to be obtained if not used in accordance with directions or established safe practice. The buyer must assume all responsibility, including injury or damage, resulting from misuse of the product as such, or in combination with other materials.

GHS  
CODE



HMIS  
CODE



#### Physical Properties

**Form:** Liquid  
**Odor:** Characteristic  
**Pounds/Gallon:** 8.73# +/-  
**Freeze Point:** 32F +/-  
**Color:** Amber  
**pH:** 12 +/-  
**Specific Gravity:** 1.04 +/-  
**Freeze/Thaw:** Recovery