

VE XO™ X-PO® 150 AL

Commercial Scale & Corrosion Inhibitor

- **X-PO® 150** contains a unique blend of Total Reducing Agent Control-based organic compounds for the protection of multi-metal systems including those containing Aluminum. The organic film-forming Total Reducing Agent Control compounds work to establish a rapid and tenacious protective corrosion barrier at the metal surface.
- **X-PO® 150** has a direct Aluminum corrosion control agent in the form of a specialized Tannin compound. The specialized Tannin compound enhanced with other reducing agents provides a direct and specific corrosion control for Aluminum and similar soft metal alloys.
- **X-PO® 150** also incorporates an azole compound resistant to oxidizing degradation used for the corrosion control of yellow metal compounds, Copper, and Brass.
- **X-PO® 150's** blend of non-metallic compounds acts to assist each other as both primary and secondary inhibitors, establishing a strong corrosion film formation at the metal site.
- **X-PO® 150** employs Polymeric dispersants which have been included in **X-PO 150** to retard the formation of Calcium ion-based salts that can rob surfaces of heat transfer efficiencies.
- **X-PO® 150** 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® 150's** pH-balanced formulation acts as a buffering agent allowing the system to maintain pH over the longer term. The pH balance and combination of Total Reducing Agent components in many applications may help to retard the formation of microbial activity but all closed systems should be treated intermittently with microbial control agents.

Application Rate and Control Parameters

- **X-PO® 150's** application rate is approximately one-two gallon (8.73# - 17.5#) per 1,000 gallons of system water, 1,044 to 2,088 ppm.
- Residual control maintenance levels would be 50-100 ppm of active Total Reducing Agent Control (TRAC). Control range testing can be done using a TRAC titration test procedure component of **X-PO® 150**.
- It is advisable to apply intermittently to all closed-loop systems microbial control agents such as **X-PO® Bellicide 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® 150** is present. However, it is recommended to not 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

#987L TRAC Test Method (1drop = 5 ppm TRAC)

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: Brown
pH: 10 +/-
Specific Gravity: 1.09 +/-
Freeze/Thaw: Recovery