

VEEXO™ X-PO® pH-Up Borate Buffer for Elevating pH

- **X-PO® pH-Up** contains Sodium Tetra Borate to elevate system pH to help protect ferrous and non-ferrous metals in fully or semi-closed loop systems.
- **X-PO® pH-Up** Sodium Tetra Borate component will act as a pH-buffering agent (3% in water yields 9.3+/-) allowing the system to maintain pH over the longer term.
- **X-PO® pH-Up** will alleviate the corrosive effects of ethylene or propylene glycol break down where formation of organic acids such as glycolic or formic are generated in the breakdown process.
- **X-PO® pH-Up** can be used to raise system pH of all types of antifreeze or heat transfer fluids used in hydronic heating and cooling systems.
- **X-PO® pH-Up** is a concentrated product and is economical to use.
- **X-PO® pH-Up** Sodium Tetra Borate may help retard formation of microbial activity by creating an environment where microorganisms do not like to flourish.
- All closed systems may well require to be treated intermittently with direct microbial control agents.

Application Rate and Control Parameters

- **X-PO® pH-Up** starting point application rate is approximately 1.0# per 1000 gallons of system water or 12 ppm of product.
- pH should be checked so that any free acids are neutralized and system pH is properly elevated.
- It is advisable to intermittently apply to all closed loop systems microbial control agents and then to monitor the total bacterial activity using dip slides or similar testing. Only non-oxidizing microbiocides should be applied with **X-PO® pH-Up** Chlorine/Bromine or other oxidizing microbiocides should only be applied to Nitrite containing systems as a last resort and under constant supervision and monitoring. Hazardous interaction and reaction of Nitrites can occur when other oxidizing and/or reducing agents are used. Consult your technical representative for specific microbial control treatment recommendation.

General Control Test Methods

pH measurement

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: Granular
Odor: Characteristic
Pounds/Gallon: N/A
Freeze Point: N/A
Color: Whitish
pH: 3% Soin = 9.3% +/-
Specific Gravity: N/A
Freeze/Thaw: N/A