

OXINE®

For Treatment of Industrial Water Systems

Control microbial activity while extending shelf life

OXINE® is a highly refined blend of oxychloro species containing purified sodium chlorite. When activated, chlorine dioxide is produced, greatly enhancing Oxine®'s antimicrobial activity. OXINE® is EPA registered and possesses a myriad of other approvals. OXINE® provides a comprehensive antimicrobial intervention program.

Benefits

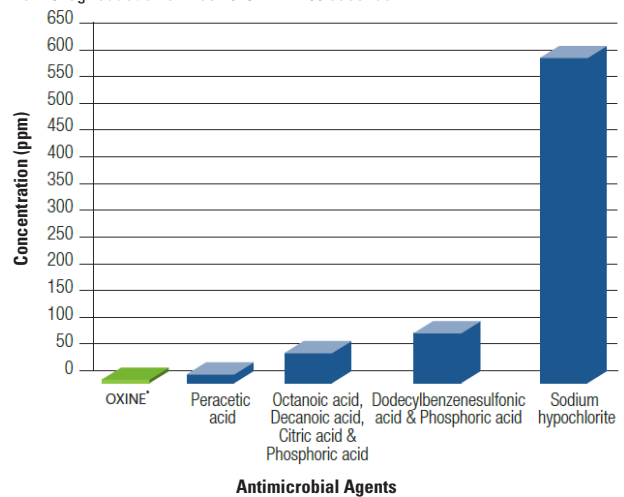
- Very effective in control of sessile organisms
- Enhanced heat exchange capability
- Lower corrosion potential at use concentrations
- Effective over a broad pH range (1-10)
- Reduces total suspended solids
- Highly soluble - Does not disassociate in water
- Selective reactivity-resists neutralization from organic load
- Does not react readily with: Alkanes, Alkenes, Alkynes Alcohols, Glycols, Aldehydes, Ketones, Ethers, Primary Amines or Acids
- Does not produce chloramines or THMs
- Breaks down primarily into table salt



Activation

OXINE® requires activation for on-site generation of chlorine dioxide. Activation involves lowering the pH of the concentrate with any Generally Recognized as Safe (GRAS) acid. Activation may be accomplished manually in low volume as batch applications; or with BCI's hands-free, cost efficient AANE™ unit, the Wall Mount Activation System™, or the on-line activation system OLAS™, which combines activation with injection into water streams.

CONCENTRATION OF ANTIMICROBIAL AGENTS REQUIRED for >5 log reduction of E.coli 0157:H7 in 60 seconds



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Product Specifications

- Recommended dosage of 0.5 - 5 ppm
- Concentration: 2.0 - 2.10% available chlorine dioxide
- Appearance: Colorless liquid
- pH Concentrate: 8.2 - 8.5
- Boiling point: 213°F (100.5°C)
- Melting point: N/A
- Freezing point: 28.9°F (-1.72°C)
- Vapor Pressure: 23.7 mm Hg (25°C)
- Vapor Density: 0.02 kg/m³
- Specific Gravity: 1.03 g/ml (20°C)
- Volatiles (by volume): 97% water
- Solubility in water: Complete
- EPA Cat III
- Evaporation rate: Comparable to water
- Non-Flammable, Non-Explosive
- Stable Solution
- NFPA Rating:
Fire: 0 Health: 1 Reactivity: 1 Special: None

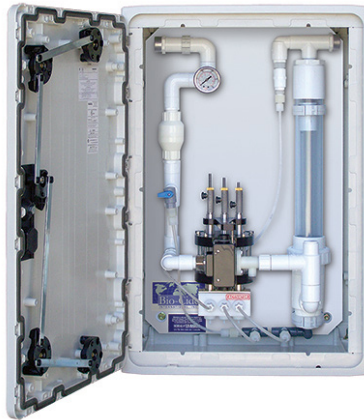
Applications

Closed loop systems / Cooling Towers / Condensers

- Microbial control in sweet water and recirculating cooling water systems
- Sanitation of filler head assemblies
- Bacterial, mold and odor control throughout the facility
- Disinfection of condensate pans and drip lines



AANE™



**Wall Mount
Activation System™**



OLAS™ Ti



A KEMIN COMPANY

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