

# KOOL TOWER 127

## MULTI-METAL CORROSION & SCALE CONTROL



### PRODUCT APPLICATION GUIDE

KOOL TOWER 127 a FACT based severe service cooling water treatment. Filming Amine Corrosion Technologies (FACT) components are organic polyamine based penetrating/corrosion control agents for multi-metal corrosion inhibition. FACT works by penetrating and dispersing existing corrosion by-products, cleaning the surface of the metal oxides then laying down a resilient and tenacious corrosion inhibitory film. FACT works very quickly and effectively to stifle corrosion on surfaces ranging from iron/mild steel/galvanizing/zinc/aluminum while providing partial protection for yellow metals.

KOOL TOWER 127 contains AcidSafe technology which utilizes a unique blend of organic acids as both a pH adjuster as well as the ability to create more soluble alkaline earth metal salts retarding the formation of scale forming ions. KOOL TOWER 127 a 99% active Liquid Ultra Concentrate!

KOOL TOWER 127 contains a powerful blend of environmentally friendly Anti-Scalants/Polymeric Dispersants/Crystal Modification compounds for control of Calcium Carbonate as well as other scale forming or fouling ions.

KOOL TOWER 127 incorporates redundant organic ferrous and non-ferrous corrosion control agents for corrosion control of Steel as well as Copper/Brass/Galvanizing/Zinc or alloys of these metals.

KOOL TOWER 127 is a severe service scale/corrosion inhibitor blend that can take on the toughest challenges.

KOOL TOWER 127 resists degradation from Bromine/Chlorine compounds and/or other oxidizing sources.

KOOL TOWER 127 contains a powerful biomass dispersant complimenting KOOL TOWER 127's antiscalant/dispersants & externally applied microbiocides.

KOOL TOWER 127 formulation components generally meet the highly stringent European EEOCD standard for biodegradability at 60%+ 28-day biodegradability profile!

KOOL TOWER 127 is unique in that it has four distinct potential control tests: Active Organo Phosphonate-Active Polymer-Molybdate-Fluorescent tracing. Real Time on-line monitoring for KOOL TOWER 127 can be accomplished utilizing any of the commercially available on-line fluorescent tracing ion analyzers.

### Application & Control

- General KOOL TOWER 127 maintenance rate of 120-240 ppm present in re-circulating water. An example: presuming make-up water values of 146 TH & 110 M Alkalinity, operating at 5 Cycles of Concentration (730 TH & 550 M Alk), KOOL TOWER 127 applied at the 24-48 ppm range based on make-up water and then accumulated via COC to the 120-240 ppm maintenance level.
- Product Control accomplished using one of the following: PDQ Organo Phosphonate Test Kit at 3-6 ppm active O.P. and/or 5-10 ppm active Total Polymer using an MP-9737 or similar test methods and/or fluorescent tracing monitoring (see SST for applicable values).
- Oxidizing microbiocides can be applied when the free halogen content does not exceed 10 ppm in the re-circulating water. Excessive halogen levels may result in partial degradation of the formulation components. KOOL TOWER 127 is compatible with all non-oxidizing microbiocides except for cationic charged quaternary ammonium compounds.

### PHYSICAL PROPERTIES:

Color/Form: Amber Liquid  
Odor: Characteristic  
Density: 1.2+/-  
Freeze Point: <32F+/-  
Freeze/Thaw: Full Recovery

GHS CODE: Irritant



DOT Class:

### NON REGULATED



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