

# KOOL TOWER 125

## MULTI-METAL CORROSION & SCALE CONTROL



### PRODUCT APPLICATION GUIDE

- KOOL TOWER 125 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 125 a 99% active Liquid Ultra Concentrate!
- KOOL TOWER 125 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 125 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 125 represents the most cost-efficient cooling water treatment available in the industry today!
- KOOL TOWER 125 is a severe service scale/corrosion inhibitor blend that can take on the toughest challenges.
- KOOL TOWER 125 resists degradation from Bromine/Chlorine compounds and/or other oxidizing sources.
- KOOL TOWER 125 contains a powerful biomass dispersant complimenting KOOL TOWER 125's antiscalant/dispersants & externally applied microbiocides.
- KOOL TOWER 125 formulation components generally meet the highly stringent European EEOCD standard for biodegradability. KOOL TOWER 125 has a 60%+- 28-day biodegradability profile!
- KOOL TOWER 125 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 125 can be accomplished utilizing any of the commercially available on-line fluorescent tracing ion analyzers.



### Application & Control

- General KOOL TOWER 125 maintenance rate of 30-60 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 125 applied at the 6-12 ppm range based on make-up water and then accumulated via COC to the 30-60 ppm maintenance level.
- Product Control accomplished using one of the following: RediTab Organo Phosphonate Test Kit at 5-10 ppm active O.P. and/or 10-20 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 125 is compatible with all non-oxidizing microbiocides except for cationic charged quaternary ammonium compounds.

### PHYSICAL PROPERTIES:

Color/Form: Amber Liquid  
 Odor: Characteristic  
 Density: 1.14+/-  
 Freeze Point: <32F+/-  
 Freeze/Thaw: Full Recovery

GHS CODE: Irritant



DOT Class:

**NON REGULATED**



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