



FCT Water Treatment

TYPE: LIQUID

Equipment Cleaning Treatment

MT-Clean

General Description

MT-Clean products are superior blends of polyphosphates, organic acids and surface active agents designed specifically for cleaning and passivating chilled and evaporative cooling water loops.

Advantages

- Properly applied, MT-Clean is an effective way to clean fouled and dirty water systems.

Principle Uses

- MT-Clean is a liquid blend, which is designed and formulated to clean and protect closed, semi-closed chilled water and cooling tower systems from corrosion.
- Compatible with mixed metallurgy surfaces.
- MT-Clean is especially effective on oils, greases and iron deposits.

Application

- MT-Clean dosage levels depend on many factors particular to a given system. Normally the dosage ranges between 100 ppm and 1000 ppm of product depending on the severity of the problem. MT-Clean should be used in accordance with the recommendations provided by your FCT Technical Service Representative.

Handling & Storage

- MT-Clean contains materials, which can cause irritation to the eyes and skin. As with all chemicals, follow the instructions on the Materials Safety and Data Sheet for the proper procedures for handling and storage.

Physical Properties

Physical Properties	Values
Appearance	Clear, yellow to amber liquid
Specific Gravity	1.21
Density	10.0 lbs/gallon
pH	9.0 - 10.0
Freeze Point	28°F
Boiling Point	>212°F (100°C)

Standard Product Availability

Unit of Measure	Availability
5 Gallon Pails	Containers
55 Gallon Drums	Non-returnable
Bulk	Intermediate bulk containers

FCT Water Treatment

1309 North 17th Avenue · Greeley, CO 80631
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www.fctwater.com



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TYPE: LIQUID

System Cleaning and Pre-Passivation

MT-Clean

General Description

MT-CLEAN products are superior blends of polyphosphates, organic acids and surface active agents designed specifically for cleaning and passivating chilled and evaporative cooling water loops.

Advantages

- Completely fill system to treated with clean, fresh make-up quality water.
- If required, adjust pH to range of $6.5 < \text{pH} < 10$ using sulfuric acid, caustic or soda ash.
- Water in system should be circulated continuously to provide manufacturers designed velocities (typically 3 – 7 ft/s in heat transfer equipment).
- Add MT-CLEAN to achieve 250 - 500 ppm as product in the system (2 – 4 gallons per 10,000 gallons of system volume).
- Add non-oxidizing biocide MB- 1500 or MB-4500 to achieve recommended treatment level).
- Circulate system continuously for 24 hours.
- Maintain $6.5 < \text{pH} < 10$ using sulfuric acid, caustic or soda ash as required.
- Drain system. Flush with clean, fresh make-up quality water.
- Immediately re-fill system with clean, fresh make-up quality water and begin operative inhibitor and MB treatment program.

Caution

- Do not apply in systems with aluminum or aluminum alloys.
- Avoid application of MT-CLEAN at $\text{pH} < 5.0$ or in conjunction with oxidizing biocides as corrosion of system metallurgy can result.
- Do not apply to stagnate or inadequately circulated systems.
- For best results, follow FCT recommendations for application and handling.

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