



## PRODUCT BULLETIN

### ET-700M

Biodegradable Cleaner/Heat Transfer Systems/  
Hot Oil Units/Glycol Dehydration Systems/  
Cooling Systems/ General Directions for Use

#### General Cleaning Procedures

Drain the original fluid in the cooling system. Inspect system for scale build-up and other contamination as a reference point for cleanliness.

- i. After inspection, fill the systems with fresh water and circulate for 15-30 minutes.
- ii. Drain the unit to eliminate loose scale fall-out in low points in the system.
- iii. Refill the system with freshwater and the desired concentration of **ET-700M**.
- iv. Operate the system at a temperature of 150° F - 180° F for 4-6 hours depending upon contamination. If the pH of the system climbs to 8-8.5, the product is spent. (Make sure air is excluded from the cleaning solution by venting through air bleeds.)
- v. Discontinue circulation of the system and drain quickly from low point drains. Rinse the system with fresh water to remove loose debris.
- vi. Inspect the system internals identified in Step One.
- vii. Repeat if necessary.
- viii. Once the system is satisfactorily cleaned, flush water through the system until the rinse water runs clear.
- ix. Install a quality inhibited heat transfer fluid to protect the system against further scale and corrosion reoccurrence.

**ET-700M** can be more effectively utilized when multiple applications of lower dilution concentrations are utilized in lieu of single high dilution concentrations.

Systems which have minimal scale build-up can be cleaned effectively with single applications of higher dilution concentrations. Solutions analysis and physical inspection can be utilized in making specific recommendations.

**ET-700M** contains no heavy metals and is biodegradable. Disposal of depleted cleaning solutions should be done as prescribed by company, state and federal guidelines.

**TO NEUTRALIZE SPENT FLUID (ET-700M) WITH SODA ASH: ADD SLOWLY WHILE CIRCULATING OR STIRRING, AND MONITORING UNTIL pH REACHES 7.**

**CAUTION: SOME INCREASING IN TEMPERATURES IS TO BE EXPECTED IN NEUTRALIZATION PROCESS.**