

## TH-682 Scale and Corrosion Inhibitor for low hardness water

### Properties:

TH-682 is built with surfactant, dispersant, corrosion inhibitor, etc. It is suitable for system using soft water and other low hardness water as cool media. Because there are little contents of  $\text{Ca}^{2+}$  and  $\text{Mg}^{2+}$  ions in soft water, scale cannot be formed. Many corrosion inhibitors use  $\text{Ca}^{2+}$  and  $\text{Mg}^{2+}$  ions in water system to form protection membrane on metal surface, but there are little contents of  $\text{Ca}^{2+}$  and  $\text{Mg}^{2+}$  ions in soft water, the corrosion inhibition is a difficult question for soft water system. Through experiments, we develop this greenish scale and corrosion inhibitor for soft water system. TH-682 is a composite corrosion inhibitor by inhibition of metal polarization. TH-682 has no contents of such noxious subjects as nitrite and chromate, no pollution to environment, its corrosion ratio to carbon steel far lower than that of national standard.

### Specification:

items	index
Appearance	yellow transparent liquid
Solid content, %	30.0min
pH, (1% water solution)	$3.0 \pm 1.5$
Density, $\text{g}/\text{cm}^3$	1.20min

### Usage:

Add TH-682 into plastic pool (or box) every day, dilute with water and continuously add into inlet of dosage pump or metering valve (outlet of collecting tank). The dosage of 30-70ppm is preferred.

### Package and Storage:

25kg in plastic barrel, or confirmed by clients. Storage for ten months in room shady and dry place.