

# MAXTREAT<sup>®</sup> 2521

## COOLING WATER TREATMENT CHEMICAL

MAXTREAT- 2521 is an non heavy metal liquid formulation of corrosion and scale inhibitors designated to protect ferrous equipment in recirculating cooling water systems. Corrosion inhibition provided by MAXTREAT 2521 is superior to other nonchromate treatments. The product contains a threshold inhibitor developed for controlling precipitation of calcium phosphate, carbonate, sulfate. MAXTREAT 2521 also contains a dispersant for suspended matter such as silt, metal oxide etc.. The dispersant keeps suspended matter in dispersed condition avoiding deposition in heat exchangers.

### BENEFITS

#### Prevents Scale

Threshold mechanism effectively provides protection against deposition and scaling due to calcium phosphate, sulphate and carbonates. Maxtreat 2521 contains an optimum blend of proven inhibitors which cost effectively provide scale inhibition even under severe conditions. Control of calcium scales is achieved without any costly pretreatment, acid dosing and excessive blowdown. The product prevents scale formation at higher pH and alkalinity in recirculating water.

#### Stable during Chlorination

Maxtreat 2521 is also stable in presence of chlorine which is used for biocontrol.

#### Controls Iron Oxide Deposit

Iron Oxide deposits are formed in cooling water systems because of iron in the make up water or due to corrosion in cooling water system. Maxtreat 2521 controls agglomeration of iron oxide by stabilisation mechanism and minimises its deposition in pipe lines and heat transfer surfaces.

#### Complements corrosion and biological control

Deposits formed in cooling system become ideal places for biological growth and cause localised corrosion of metal surfaces. Maxtreat 2521 prevents formation of deposits and disperses suspended solids thus eliminating chances of further biological growth and localised corrosion.

### APPLICATION & DOSAGE

Dosages of MAXTREAT 2521 varies depending upon the make up water quality and operating conditions. Thermax will assist you in designing optimum product requirement.

MAXTREAT 2521 should be dosed at a point in the system at maximum turbulent zone for good mixing . The product may be fed directly from shipping barrel or in diluted form.

### HANDLING, STORAGE AND PRECAUTIONS

MAXTREAT - 2521 is safe to handle and no special care is required while handling this product. MAXTREAT - 2521 is stable under normal dosage conditions.

### PACKING

MAXTREAT - 2521 is available in 35 kg HDPE carboys.