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TECHNICAL DATA SHEET

ADENA 5511

Product #AD5511

CORROSION INHIBITOR FOR WHITE RUST

ADENA 5511 is a PBTC organophosphonate and polyacrylate for scale control, as well as zinc for iron corrosion control.

Uses:

ADENA 5511 is a cooling tower or evaporative condenser treatment to inhibit and prevent white rust. It is heavy in corrosive inhibitors including zinc and molybdate. This product contains molybdenum for dosage control.

Product Description:

Physical State.....Liquid
Color.....Colorless
Density.....10.63 lbs/gal
pH.....0.8

Dosage:

ADENA 5511 should be introduced to the system at a rate of 50 ppm (6.7 ounces/1,000 gallons of make-up water) and four cycles of concentration (200 ppm product in the system). At a dosage rate of 50 ppm (6.7 ounces per 1,000 gallons of make-up water) and four cycles of concentration (200 ppm product in the system) provides the following active components.

PBTC organophosphonate – 8 ppm, provides scale control
Polyacrylate polymer – 10 ppm, provides scale and sludge control
Zinc – 10 ppm, provides corrosion protection to steel
Molybdenum – 6 ppm, as Mo (10 ppm as MoO₄), used to control product application rate, can provide corrosion protection to steel at higher levels.
For control purposes the Mo should be held between 4 and 8 ppm (8 to 12 ppm as MoO₄). Additional testing can be done to determine organophosphonate and zinc levels.

Depending upon system condition additional chemical treatment may be necessary to proper treatment.

Typically, when zinc is used as a corrosion inhibitor the zinc level maintained in the system runs between 1 and 4 ppm with 3 ppm being the targeted level. If you maintain 3 ppm zinc using the AD5511 formula the organophosphonate and polymer levels will be below minimum recommended levels.

Rebalancing this formula may provide a more effective and less costly product on a use basis.

Handling:

ADENA 5511 is an acidic material. Do not take internally. Avoid contact with skin and eyes. Should contact occur, flush immediately with water. If any discomfort persists, seek medical attention. Read relevant Material Safety Data Sheet before handling this product.

Packaging:

ADENA 5121 is packaged in 55, 30, 15, and 5-gallon non-returnable drums.



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WATER TREATMENT SERVICE