



# AmSolv®

Total Water Management

## AmTreat 1210™

Industrial Cooling Water

Scale And Corrosion Inhibitor

**DESCRIPTION:** AmTreat 1210™ is a concentrated liquid scale and corrosion inhibitor. It is designed for use in a wide range of open recirculating cooling water systems where clean, scale and deposit-free surfaces are required for system life and efficiency. AmTreat 1210™ accomplishes this in one easy to use product. AmTreat 1210™ is designed for use in systems with any makeup water hardness and alkalinity levels.

**ADVANTAGES:** AmTreat 1210™ is very effective in high hardness, highly alkaline scaling waters. It is a proprietary blend of organic and polymeric sequestrants and dispersants to minimize system fouling from contaminants such as calcium, silica, iron, sludge and organics. It also contains special filming ingredients to establish a protective barrier against corrosion of both yellow metal and ferrous metal surfaces. AmTreat 1210™ contains no chromate, zinc, or other heavy metals. It is an all-organic, biodegradable, and environmentally sensitive product.

**USDA:** AmTreat 1210™ is acceptable for treating boilers, steam lines, and/or cooling systems where neither the treated water nor the steam produced may contact edible products in official establishments operating under the Federal meat, poultry, shell egg grading, and egg products inspection programs.

**DIRECTIONS: NOTE:** When using this product, PROTECT FACE (especially the eyes) by using a full face shield or cup-type chemical goggles, AND other portions of the body by using rubber gloves, rubber boots, and a rubber apron. Use only in a well ventilated area. Avoid breathing spray mists or vapors. AmTreat 1210™ should be fed to the cooling system on a continuous basis. It should be fed by means of a chemical metering pump. (Slug additions may also be made when necessary). It may be pumped directly from the shipping container or may be diluted in a chemical mix tank prior to injection.

AmTreat 1210™ should be initially slug dosed to the system at the rate of 100 ppm (12 fluid ounces per 1000 gallons) to the tower water. Subsequent federates should maintain 70-100 ppm of AmTreat 1210™. Dosage should be monitored by phosphonate test. A residual of 5-8 ppm should be maintained

**WARNING:** Contains sodium hydroxide. Eye and skin irritant. Avoid contact with skin and eyes. If eye contact occurs, flush with water for 15 minutes. Get prompt medical attention. If skin contact occurs, remove contaminated clothing. Flush with warm water. If irritation persists, consult a physician. Do not take internally. If swallowed, drink large quantities of water. Do not induce vomiting. Contact physician immediately. KEEP OUT OF REACH OF CHILDREN.

**CONTAINER DISPOSAL:** Triple rinse container and discard according to local regulations.

**CAS NUMBERS:** Water 7732-18-5; Sodium Hydroxide 1310-73-2; Phosphonate 6419-19-8; Sodium Polyacrylate 9003-01-4; Sodium Tolytriazole 64665-57-2

**HMS RATING:** Health-1 Flammability-0 Reactivity-0; Personal Protection-B.

**DOT:**NON-HAZARDOUS

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