



# AmSolv<sup>®</sup>

Total Water Management

## AmGuard 4250<sup>™</sup>

Industrial Water Treatment Compound

Boiler Water Scale Inhibitor and Sludge Conditioner

**DESCRIPTION:** AmGuard 4250<sup>™</sup> is a concentrated “phosphate cycle” scale inhibitor, polymeric dispersant and sludge conditioner for steam boilers. It is designed for use in all types of steam boilers operating at pressures up to 850 psig where feedwater hardness does not exceed 10 ppm.

**ADVANTAGES:** AmGuard 4250<sup>™</sup> is proprietary “phosphate cycle” scale inhibitor for boilers. It is very effective in controlling calcium carbonate scale, as well as its dispersion of iron and other foulants. AmGuard 4250<sup>™</sup> is a proprietary blend of complex phosphates, polymeric scale inhibitors, dispersants, and sludge conditioners in a single easily applied product.

**USDA:** AmGuard 4250<sup>™</sup> 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.

AmGuard 4250<sup>™</sup> should be used with separate oxygen scavengers, corrosion inhibitors and condensate line corrosion control treatment. It should be fed to the boiler drum or feedwater line directly from the shipping container by means of a metering chemical injection pump. Specific dosages will vary depending upon feed water quality. Normal dosage rates will range from 20 to 70 ppm of boiler feedwater volume in properly operating systems. Control the product dosage with a standard orthophosphate test at 20 to 40 ppm residual and OH Alkalinity levels between 250-400 ppm in the boiler water.

**CAUTION:** Do not ingest. If this should occur, drink large volumes of water and seek medical attention. Avoid storage of product in freezing temperatures. Keep container sealed when not in use to prevent contamination. KEEP OUT OF REACH OF CHILDREN.

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

**CAS NUMBERS:** Water 7732-18-5; Sodium Hexametaphosphate 68915-31-1; NJ Trade Secret #800944-5009P & #800944-010P; Potassium Hydroxide 1310-58-3.

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

**DOT:** NON-HAZARDOUS

**UN:** NON-HAZARDOUS

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