



AmSolv[®]

Total Water Management

AmGuard 131K[™]

Industrial Water Treatment Compound
Boiler Water Scale & Corrosion Inhibitor
With Condensate Line Corrosion Control

DESCRIPTION: AmGuard 131K[™] is a concentrated "combination cycle" scale and corrosion inhibitor for steam boilers. AmGuard 131K[™] is designed to provide protection in all types of boilers operating at up to 650 psig where feedwater hardness may be low or high.

ADVANTAGES: AmGuard 131K[™] is very effective in controlling boiler oxygen pitting, corrosion and boiler scaling and fouling. It provides "on line" cleaning of carbonate scale and will disperse iron and other foulants in the boiler drum.

AmGuard 131K[™] is a proprietary "combination cycle" boiler treatment. AmGuard 131K[™] contains a special blend of organic phosphorous compounds, polymeric scale inhibitors, dispersants, chelants, alkalinity builders, and oxygen scavengers in a single, easily applied product. AmGuard 131K[™] offers much greater flexibility in dosing without over-treatment or under-treatment of a boiler system when compared to a typical phosphate cycle treatment program. This makes it a much easier program to control, requiring significantly less testing.

USDA: AmGuard 131K[™] is acceptable for treating boilers or steam lines where the steam produce may contact edible products and/or cooling systems where the treated water may not 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 131K[™] should be fed to the boiler feedwater line by means of a chemical metering pump. (Slug additions may be made if necessary.) AmGuard 131K[™] can be pumped directly from the shipping container or may be diluted in a chemical mixing tank prior to injection. Specific dosages will vary depending upon calcium levels and other feedwater characteristics. Normal dosage rates will range from 1,000 to 2,000 ppm (1 gallon to 500-1000 gallons of boiler blowdown volume in properly operating systems). Control by maintaining 25 to 50 ppm of sulfite, 5 to 10 ppm of phosphonate, and OH alkalinity levels of 250-400 ppm in the boiler water

DANGER: Contains sodium hydroxide. Corrosive. May cause burns. Avoid contact with eyes and mucous membranes or prolonged contact with skin. If eye contact occurs, flush with water for 15 minutes. Get prompt medical attention. If skin contact occurs, remove contaminated clothing. Flush area with water then wash with vinegar. If irritation persists, consult a physician. Harmful if swallowed. Do not take internally. If swallowed, do not induce vomiting. Drink several glasses of water followed by citrus fruit juice. Call physician immediately. Apply this product only as specified on this label. 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; Sodium Sulfite 7757-83-7; Morpholine 110-91-8; NJ Trade Secret #800944-5009P & #800944-5010P.

HMIS RATING: : Health-3 Flammability-0 Reactivity-0; Personal Protection-B.

DOT: Corrosive Liquid ,Basic, Inorganic, N.O.S., 8

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