



AmSolv®

Total Water Management

AmGuard™ 121K

Industrial Water Treatment Compound
Boiler Water Scale & Corrosion Inhibitor

DESCRIPTION: AmGuard™ 121K is a concentrated “combination cycle” scale and corrosion inhibitor for steam boilers. AmGuard™ 121K 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™ 121K 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™ 121K is a proprietary “combination cycle” boiler treatment. AmGuard™ 121K 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™ 121K 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™ 121K 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™ 121K should be fed to the boiler feedwater line by means of a chemical metering pump. (Slug additions may be made if necessary.) AmGuard™ 121K can be pumped directly from the shipping container or may be diluted in a chemical mixing tank prior to injection. AmGuard™ 121K may be fed along with a steamline corrosion inhibitor. 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 sulfite and 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 Sulfite 7757-83-7; NJ Trade Secret #800944-5009P & #800944-501P: Sodium Hydroxide 1310-73-2; Potassium Hydroxide 1310-58-3.

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

DOT: UN:

WB-121K
07/05