OptiSperse* HP9430

internal treatment

- Minimizes corrosion
- Improves boiler reliability
- Suitable for FDA/USDA applications

description and use

OptiSperse HP9430 is a powdered inorganic phosphate manufactured to SUEZ specifications. It is designed for the control of corrosion in high pressure boiler systems treated with coordinated phosphate/pH programs. It can also be used as a powdered phosphate source for preciptating phosphate programs.

Corrosion control in high purity boilers is usually achieved by using a coordinated phosphate/pH program. The use of OptiSperse HP9430 will supply a phosphate with a high (alkaline) Na/PO_4 ratio for such a treatment program. The product can be supplemented with other products to control deposition and corrosion throughout the steam generation system.

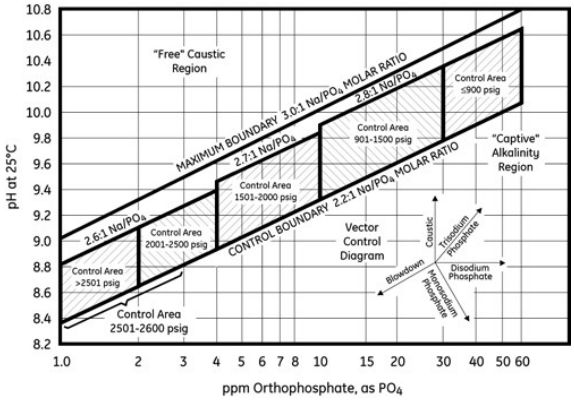

Figure 1: Control diagram for a coordinated phosphate/pH program.

Water Technologies & Solutions
fact sheet

treatment and feeding requirements

Feed Point and Feedrate - Feed OptiSperse HP9430 continuously to the boiler steam drum via a separate chemical feed line. Sufficient OPTISPERSE HP9430 should be fed to maintain the recommended boiler water phosphate residuals. Feedrate will depend on operating pressure, cycles, and residual phosphate required.

Dilution - Use good quality condensate, demineralized water or feedwater to make a recommended maximum 5% solution by weight of the product. Agitation should be provided.

Equipment - All chemical feeding equipment and feedlines should be of 304 or 316 stainless steel materials. To minimize packing and plunger problems, a diaphragm pump is recommended.

general properties

Physical properties of OptiSperse HP9430 are shown on the Material Safety Data Sheet, a copy of which is available on request.

packaging information

OptiSperse HP9430 is a powder that is supplied in 44-gallon (166-liter), nonreturnable fiber drums.

safety precautions

A Material Safety Data Sheet containing detailed information about this product is available upon request.

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