



CorTrol™ IS3031 Oxygen Scavenger

- Controls oxygen corrosion in the feedwater systems and the boiler
- Easily applied liquid concentrate
- Alkaline formulation will not cause feedwater or boiler pH depression

DESCRIPTION AND USE

CorTrol™ IS3031 is a concentrated, partially neutralized, liquid sulfite product which is designed to control oxygen corrosion in boilers and closed hot water systems.

Dissolved oxygen is a constant threat to the integrity of a feedwater system, an economizer, and internal boiler and condensate system surfaces. Even minor concentrations of dissolved oxygen can cause severe pitting corrosion. Because of its highly localized nature, pitting attack, caused by dissolved oxygen, can result in rapid failure of feedwater lines, economizers, boiler tubes, and condensate return lines.

CorTrol IS3031 controls corrosion by reacting with and removing any dissolved oxygen present in the feedwater or boiler water. In addition, it creates a reducing environment in the boiler that promotes the formation of a protective iron oxide film.

The high level of catalyst CorTrol IS3031 makes it the ideal choice for fast O₂ reduction in cold temperature, feedwater storage tanks.

CorTrol IS3031 may also be used to control oxygen corrosion in closed hot water systems where an oxygen scavenger program is indicated.

TREATMENT AND FEEDING REQUIREMENTS

CorTrol IS3031 may be fed neat or diluted with deaerated feedwater or condensate to a convenient strength. Dilute feed solutions (“day tanks”) of this product should be made down on a daily basis to avoid excessive depletion of product actives through atmospheric contact. The feed solutions can be further protected by fitting day tanks with a plastic

“floating lid” or adding a layer of hollow, floating polyethylene, polypropylene, or PVC balls to minimize contact with the atmosphere.

Chemical feed injection quills must be constructed of stainless steel or another resistant alloy.

The preferred feed points for CorTrol IS3031 are to the storage section of the deaerating heater below the waterline, to the feedwater line, or to the hotwell or feedwater tank.

GENERAL PROPERTIES

Physical properties of CorTrol IS3031 are shown on the Material Safety Data Sheet, a copy of which is available on request.

PACKAGING INFORMATION

CorTrol IS3031 is a liquid blend, available in a wide variety of containers and delivery methods. Contact your GE Betz representative for details.

STORAGE

Store CorTrol IS3031 at moderate temperatures and protect from freezing. If frozen, thaw completely and mix thoroughly prior to use. Exposure to atmospheric oxygen should be minimized.

SAFETY PRECAUTIONS

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