

CorTrol* OS5601

oxygen scavenger

- Controls oxygen corrosion
- Passivates pre-boiler and boiler surfaces
- Improves boiler reliability
- Acceptable for high-purity nuclear and once-through applications

description and use

CorTrol OS5601 is an oxygen scavenger designed to control corrosion caused by dissolved oxygen in pre-boiler and boiler systems.

The scavenger in CorTrol OS5601 does not contribute inorganic solids to the treated water. The treated water may be used for steam attemperation and to lay up non-drainable superheaters.

CorTrol OS5601 is formulated to meet or exceed the most demanding product purity requirements. It is the product of choice for nuclear applications and in all volatile systems where even minor product impurities are a concern.

The scavenger in CorTrol OS5601 is of low toxicity, but it is not suitable for systems where additives to the steam are regulated by the FDA or the USDA.

This product may not be used in drinking water systems or where steam is used for humidification.

typical applications

Even with good deaerating heater operation, sufficient dissolved oxygen can remain in the feedwater to damage the boiler system. Oxygen in water produces pitting, which is severe because of its localized nature. Economizers and feedwater preheaters are highly susceptible to oxygen attack.

The reaction products of CorTrol OS5601 with oxygen are water, nitrogen and carbon dioxide. Oxygen scavenging with this product contributes no dissolved solids to the treated water.

treatment and feeding requirements

Feed Point – Feed CorTrol OS5601 to the condensate hot well, the deaerator storage section or the feedwater line.

Feedrate – Feed CorTrol OS5601 continuously based on the feedwater dissolved oxygen concentration and the presence of a suitable residual.

Dilution – CorTrol OS5601 should be fed neat to a point in the system where good distribution and mixing will occur.

Equipment – Because of the low toxicity (see Material Safety Data Sheet [MSDS]) of CorTrol OS5601 compared to hydrazine, it does not require a system designed to minimize operator exposure.

general properties

Physical properties of CorTrol OS5601 are shown on the Material Safety Data Sheet.

packaging information

CorTrol OS5601 is a liquid product available in a wide variety of customized containers. Contact your SUEZ representative for details.

safety precautions

A MSDS containing detailed information about this product is available on request.