

## Key Performance Advantages

Better corrosion control can lead to:

- Longer equipment life
- Higher energy efficiency
- Lower operating risks and costs



Industrial Water

# HYDROGUARD<sup>®</sup> I-15

## High Performance Oxygen Scavenger & Metal Passivator for Corrosion Control in Steam Generation Systems

HYDROGUARD<sup>®</sup> I-15 is a proven product that has been used successfully for many years to treat a variety of low- to medium-pressure (<1,200 psi) boiler systems. HYDROGUARD I-15 is ideal for cost-effectively controlling corrosion. Benefits include:

- Efficient catalyst-free oxygen scavenging
- Passivation of steel surfaces in pre-boiler, boiler and condensate areas
- Equally effective in both vapor and liquid phases
- No secondary amines
- Easier to handle than hydrazine and hydroquinone
- Economical relative to other products, such as sodium erythorbate
- Compatible with other commonly used treatment chemicals
- Lower evaporative loss of actives than diethylhydroxylamine (DEHA) in vented bulk storage containers

HYDROGUARD I-15 is designed for treatment of low- to medium-pressure (<1,200 psi) steam generation systems and has been used to replace DEHA, hydrazine and sodium erythorbate in these systems. In some cases, costs may be reduced due to elimination of catalysts.

## Typical Properties

The following are selected properties of HYDROGUARD I-15. They are not to be considered product specifications.

Active ingredient	15-16% by wt.
Water	84-85% by wt.
Appearance	Water-white liquid
Flash point, Setafash Closed Cup	46°C (114°F)
Fire point, Cleveland Open Cup	>100°C (>212°F)
pH	10.6
Specific gravity @ 25°C	1.00
Pounds per gallon @ 25°C	8.36
Color (APHA)	20
Crystallization point	-5°C (23°F)
Refractive index @ 25°C	1.3570

## Product Stewardship

ANGUS encourages its customers to review their applications of ANGUS products from the standpoint of human health and environmental quality. To help ensure that ANGUS products are not used in ways for which they are not intended, ANGUS personnel will assist customers in dealing with environmental and product safety considerations. For assistance, product Safety Data Sheets, or other information, please contact your ANGUS representative at the numbers provided in this document.

When considering the use of any ANGUS product in a particular application, review the latest Safety Data Sheet to ensure that the intended use is within the scope of approved uses and can be accomplished safely. Before handling any of the products, obtain available product safety information including the Safety Data Sheet(s) and take the necessary steps to ensure safety of use.

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