



VpCI® FORMULATED PRODUCTS FOR PROCESS INDUSTRIES

gas oil
brine

S-15

Total Replacement for Hydrazine Programs



PRODUCT DESCRIPTION

S-15 is effective in controlling corrosion caused by oxygen and carbon dioxide in high and medium pressure boilers and condensate lines.

S-15 utilizes the combination of volatile neutralizing amines in conjunction with an oxygen scavenger – metal passivator. This combination improves corrosion control in two ways. First, any acidic species present are neutralized and the pH is increased, leading condensate to become less corrosive. Second, the oxygen scavenger/passivator reacts more rapidly in the alkaline conditions maintained by the amines in the S-15 than at lower pH levels found with conventional products.

S-15 provides excellent passivation, high volatility, thermal stability, and low toxicity.

S-15 does not leave solid residue in the boiler systems and helps to provide high quality steam.

FEATURES

- Minimizes corrosion and deposits in medium and high pressure boiler systems
- Economical (recycled with the condensate)

- Compatible water treatment programs
- High efficiency against oxygen and carbon dioxide corrosion
- Thermally stable
- Low toxicity - doesn't contain any hydrazine-based compounds
- Easy to handle, feed and formulate
- Passivates by converting hematite (soft red rust) to magnetite (hard black rust)
- Minimizes boiler rust deposits by reducing condensate corrosion
- Ideal for medium and high pressure boilers

PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Amber to dark brown liquid
pH	11-12 (1% in water)
Odor	Amine-like
Density	7.9-8.0 lbs/gal (0.95-0.96kg/l)
Solubility in water	Miscible

DOSAGE INFORMATION

The dose should be adjusted to maintain the pH level between 8.0-8.5 and residual oxygen scavenger level. Usually it takes 2-5 ppm of continuous treatment.

FEEDING INSTRUCTION

S-15 may be added separately to the deaerator storage section, feedwater line or by direct injection in the steam drum.

PACKAGING AND STORAGE

S-15 is packaged in 5 gallon (19 liter) containers, 55 gallon (208 liter) metal drums, liquid totes or bulk. Product should be stored in a tightly closed container. Shelf life is 12 months.



CORTEC
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Environmentally Safe VpCI®/MCI® Technologies

FOR INDUSTRIAL USE ONLY
KEEP OUT OF REACH OF CHILDREN
KEEP CONTAINER TIGHTLY CLOSED
NOT FOR INTERNAL CONSUMPTION
CONSULT MATERIAL SAFETY DATA SHEET FOR MORE INFORMATION

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