



VpCI® FORMULATED PRODUCTS FOR PROCESS INDUSTRIES



gas oil
brine

S-10 F Boiler Additive



PRODUCT DESCRIPTION

S-10 F is a non-toxic "green" filming corrosion inhibitor for boiler condensate. This inhibitor is effective against corrosion caused by carbon dioxide and oxygen. S-10 F is very useful in facilities where safety concerns limit the concentration of amines allowed in steam lines. The active ingredient of S-10 F is the sodium salt of fatty amino acids.

S-10 F provides excellent corrosion inhibition. It is resistant to oxidation and has high salt tolerance. Benchtop laboratory tests show outstanding film persistency and stability in a wide temperature range. S-10 F is compatible with the majority of ingredients used in boiler and condensate line treatment programs. S-10 F outperforms other "green" condensates due to its stability, ability to form a thin protective layer without sticky deposits and fouling problems.

FEATURES

- Economical
- Compatible with most other products for water treatment
- High efficiency against corrosion caused by carbon dioxide and oxygen
- Thermally stable and stable to hydrolysis
- Can be used as continuous and/or batch treatment

TYPICAL PROPERTIES

Appearance	Slightly hazy
pH	7-8 (Neat)
Non-volatile Content	25-35%
Density	8.5-8.7 lb/gal (1.02-1.04 kg/l)

DOSAGE

S-10 F should be added directly to condensate lines as continuous or batch treatment. As continuous treatment, S-10 F should be added at a concentration level of 10-30 ppm (depending on oxygen and CO₂ content).

As a batch treatment, a concentration up to 500 ppm should be maintained. The duration of cycles depends on the conditions of the condensate line.

TOXICITY INFORMATION

Cortec S-10 F, additive for steam condensates, contains only FDA approved ingredients and has the following approvals:

- FDA# 21 CFR - 121.2507
- FDA# 21 CFR - 121.2527
- FDA# 21 CFR - 178.3125
- FDA# 21 CFR - 177.1200

Oral Toxicity:

Product	LD _{50r} mg/kg	Remarks
S-10 F	2175, 5000	Mice, rats



PACKAGING AND STORAGE

S-10 F is available in 5 gallon (19 liter) plastic pails, 55 gallon (208 liter) metal drums, liquid totes and bulk. The shelf life is up to 24 months.

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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