

Boiler Lizard®, Patented



DESCRIPTION

Cortec's Boiler Lizard® contains Vapor phase Corrosion Inhibitor powder in a polyvinyl alcohol (PVA) water-soluble bag. The powder formulation is free of phosphates, heavy metals, nitrites, and free amines. Designed for dry layup of boilers, the Boiler Lizard® protects metals in enclosed spaces. The VpCIs vaporize and adsorb on the metal surfaces, reaching all recessed areas and interior cavities.

PACKAGING & STORAGE

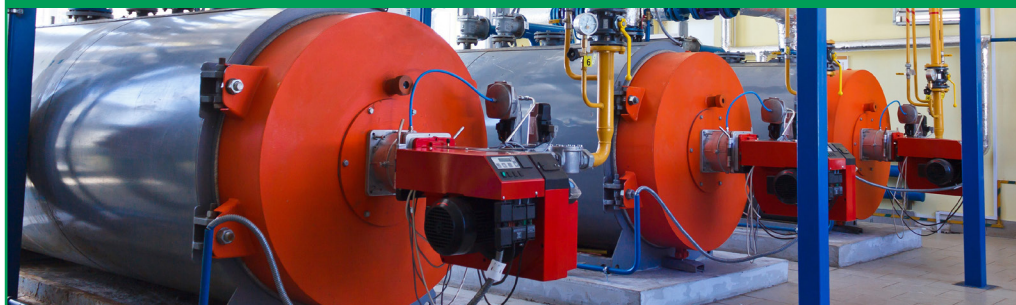
Boiler Lizards are supplied in carton tubes (1 bag per tube).

Tube - 3" D x 37" H (8 cm x 94 cm)
Bag - 4" W x 34" H (10 cm x 86 cm).

To ensure best product performance, store in original packaging, indoors, and out of direct sunlight at 40-100 °F (4-38 °C).

Shelf life: 2 years

VpCI® ADDITIVES FOR WATER TREATMENT



FEATURES

- Multi-phase protection (vapor phase, liquid phase, and at the air-water interface)
- Easy and safe to handle
- Water-soluble, non-irritating PVA bags
- Formulation is free of phosphate, heavy metals, nitrites, and free amines
- NSF G7 certification (Reg. #170844)

BENEFITS

- Provides continuous corrosion protection during dry layup period of up to 12 months
- Protects ferrous metals and aluminum
- Vapor phase corrosion inhibiting action protects inaccessible and recessed surfaces
- Requires little or no surface preparation for routine shutdown maintenance
- Protective layer does not need to be removed prior to equipment startup
- Eliminates need for other forms of protection including nitrogen blankets, moisture-absorbing material (e.g., quicklime or silica gel desiccant), and dry air circulation
- Reduces chemical consumption and costs
- Increases worker productivity and safety
- Protects up to 1,000 gallon system capacity per bag (5 yd³ or 3.8 m³)
- Can be used in and around food processing areas (if the treated water or steam has no food contact)

TYPICAL PROPERTIES

Appearance	White to off-white powder (inside water-soluble PVA bag)
pH	6-7 (1% aqueous)
Melting Point	371-398 °F (188-203 °C)

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APPLICATION

Completely drain and cool boiler down. Remove from and discard outer protective bag. Place Boiler Lizard[®] flat in boiler and slit open the inner water-soluble bag to begin total corrosion protection. Slit this inner bag 2" (5 cm) from one end to 2" (5 cm) from the other end. Seal all openings to the boiler internals. No product or inner bag removal is required prior to boiler start-up. When the boiler is put back in service, fill with water and employ normal startup procedure. The inner PVA bag will dissolve.

Precautions:

- Do not use on copper, copper-based alloys, and other soft yellow metals. Compatibility with non-metallics should be evaluated.
- Caking of powder may occur when it is exposed to moisture and then dried. The likelihood of this is increased when powder is exposed to high heat and multiple wet/dry cycles. When powder gets caked, baked, and hardened it requires removal by mechanical means or by aggressive acid cleaning.

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