

### BOILER LAY-UP 2950 BOILER CORROSION INHIBITOR

#### **DESCRIPTION AND USE**

Boiler Lay-up 2950 is a vapor phase corrosion inhibitor (VpCI) formulation, packaged in a convenient to handle water-soluble bag and is used for seasonal or long-term lay-up of boilers and related equipment. The powder formulation is not a desiccant and is free of phosphates, heavy metals, nitrite and sulfite. Boiler Lay-up 2950 is designed for dry lay-up of boilers (firetube & watertube) and will protect the entire boiler for up to two years.

The VpCIs vaporize from the powder formulation into the boiler air space ensuring metal protection of all surfaces. Since the VpCI components will travel up to 20 feet, physical distribution is greatly minimized for firetube and smaller package watertube boilers. For larger boilers consider blowing or fogging VpCI product.

#### **APPLICATION AND TREATMENT REQUIREMENTS**

Boiler Lay-up 2950 units are packaged in small cardboard boxes. Inside this box, each unit is packaged in an outer plastic bag and inner water-soluble bag. Each unit provides roughly 3.3 pounds VpCIs, sufficient to treat 1000 gallons of total boiler water volume.

To apply, simply prepare and drain the boiler (according to acceptable shutdown procedure) and insert one Boiler Lay-up 2950 per 1000 gallons or 135 cubic feet of boiler volume. Note, you will need to remove and discard the outer plastic bag and slit the inner water-soluble bag prior to placement with-in the boiler. Evenly distribute these water-soluble bags horizontally across a firetube boiler and vertically with-in a watertube boiler. DO NOT refill the boiler with water as this product is meant for dry lay-up only.

During lay-up the boiler should be sealed tightly to hold in the VpCIs. Lay-up can be effective for up to two years. When the boiler is ready for operational start-up, simply fill with water and prepare for operation - the water-soluble bag and VpCI powder will readily dissolve and be removed with normal blowdown. This product can be used as a lay-up inhibitor for other applications with all-steel equipment including boiler fireside components, steel tanks and vessels, etc.

#### **TYPICAL PROPERTIES**

Appearance .....	White powder
Odor .....	mild amine
Flash Point.....	N.A.
Specific gravity .....	N.A.
pH (1% solution) .....	6.5-6.9
Freeze Point .....	N.A.

#### **SAFETY AND HANDLING**

Boiler Lay-up 2950 may be toxic in concentrated form. DO NOT take internally. If ingested drink several glasses of water or milk and induce vomiting, if patient is conscious and get medical attention. Minimize exposure/contact with powder by wearing protective gloves, glasses and dust/particulate mask. If in contact, minor irritation may occur. Rinse powder from exposed parts with water and get medical attention if irritation persists. For additional information, see the Material Safety Data Sheet provided with this product.

#### **PACKAGING**

Each Boiler Lay-up 2950 unit is packaged with a single water-soluble bag with-in a cardboard tube or box.