



CORTEC
CORPORATION

Environmentally Safe VpCI®/MCI® Technologies



Boiler Dragon™

Boiler Dragon

DESCRIPTION

Cortec's Boiler Dragon™ is a ready-to-use waterborne multi-metal Vapor phase Corrosion Inhibiting (VpCI®) fogging fluid designed for use in the dry layup of large boilers and steam components for short- and long-term preservation. The unique vapor-phase properties of the VpCI® molecules provide continuous protection throughout the boiler spaces when properly applied. Direct application to every metal surface is not required. Boiler Dragon™ is a safer and/or more effective alternative to traditional boiler dry layup options such as desiccants, quicklime, or nitrogen blankets. Boiler systems preserved by the Boiler Dragon™ can be returned to service quickly by simply filling the boiler with makeup water. There is no need for product removal or flushing.

A ferrous-only version, Boiler Dragon™ FO, is also available.

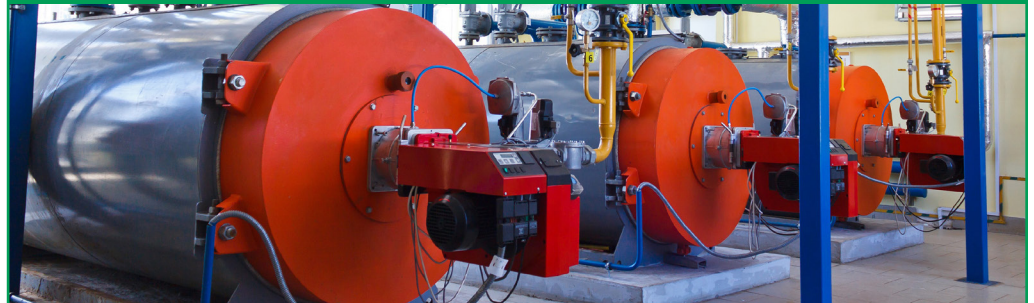
PACKAGING & STORAGE

Boiler Dragon™ is available in 5-gallon (19 L) pails, 55-gallon (208 L) drums, liquid totes, and bulk.

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

- No heavy metals, halogens, or solvents
- No typical detrimental elements prohibited in nuclear industry
- Nitrite-free
- Silicon-free
- Low odor
- Readily water soluble
- Does not form solid residue
- pH neutral
- Non-flammable
- Freeze-thaw stable

BENEFITS

- Multi-metal corrosion protection
- Vapor-phase protection of inaccessible and recessed surfaces
- Easy to apply
- No need to remove

METALS PROTECTED

- Carbon Steel
- Stainless Steel
- Galvanized Steel
- Cast Iron
- Aluminum and Alloys
- Copper and Alloys (not applicable to Boiler Dragon™ FO)

Boiler Dragon™

TYPICAL PROPERTIES

Appearance	Clear liquid
Density	8.4-8.6 lb/gal (1.00-1.03 kg/L)
pH	7.1-7.5 (Neat)
Freeze Point	14 °F (-10 °C)
Odor	Slight

APPLICATION

Boiler Dragon™ liquid should be applied by spraying or fogging into the equipment interior. Recommended dosage rate is 0.7-1.0 fluid ounce per cubic foot (0.7-1.0 L/m³). One gallon of Boiler Dragon™ liquid will treat approximately 1,000 gallons (1 L/1 m³) of boiler volume.

LIMITED WARRANTY

All statements, technical information and recommendations contained herein are based on tests Cortec® Corporation believes to be reliable, but the accuracy or completeness thereof is not guaranteed.

Cortec® Corporation warrants Cortec® products will be free from defects when shipped to customer. Cortec® Corporation's obligation under this warranty shall be limited to replacement of product that proves to be defective. To obtain replacement product under this warranty, the customer must notify Cortec® Corporation of the claimed defect within six months after shipment of product to customer. All freight charges for replacement products shall be paid by customer.

Cortec® Corporation shall have no liability for any injury, loss or damage arising out of the use of or the inability to use the products.

BEFORE USING, USER SHALL DETERMINE THE SUITABILITY OF THE PRODUCT FOR ITS INTENDED USE, AND USER ASSUMES ALL RISK AND LIABILITY WHATSOEVER IN CONNECTION THEREWITH. No representation or recommendation not contained herein shall have any force or effect unless in a written document signed by an officer of Cortec® Corporation.

THE FOREGOING WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, EXPRESS, IMPLIED OR STATUTORY, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTY OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE. IN NO CASE SHALL CORTEC® CORPORATION BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.



4119 White Bear Parkway, St. Paul, MN 55110 USA
Phone (651) 429-1100, Fax (651) 429-1122
Toll Free (800) 4-CORTEC
productinfo@cortecvci.com
<https://www.cortecvci.com>
<https://www.cortecwatertreatment.com>

Revised: 08/25/22 . Supersedes: 01/24/20. ©Cortec Corporation 2002-2022 of Cortec® Corporation.
All Rights Reserved. Copying and/or manipulation of these materials in any form without the written authorization of Cortec® Corporation is strictly prohibited. 2022, ©Cortec® Corp. ISO accreditation applies to Cortec's processes only.

Distributed by:



Valdamark Limited

Unit 13,
30 The Downs
Altrincham, Cheshire, WP14 2PX,
United Kingdom.
valdamark@live.com
Tel: +44 (0) 161 706 0388

