



VpCI® ADDITIVES FOR WATER TREATMENT



CorrBlock™

Slow release VpCI® containing block for corrosion protection in cooling and waste water systems



PRODUCT DESCRIPTION

CorrBlock is formulated using renewable soybean-based wax and proven Vapor phase Corrosion Inhibitor (VpCI) technology. When immersed in water CorrBlock slowly dissolves and releases calculated amount of inhibitors required for corrosion protection of a system. The inhibitors in CorrBlock provide multimetal protection including ferrous metals, galvanized steel, aluminum, and yellow metals. They can replace chromates, nitrites, and other types of restricted corrosion inhibitors. The VpCIs form a strong monomolecular layer on metal surfaces that protect in all three phases -- liquid, vapor, and the vapor-liquid interface.

CorrBlock provides water treatment companies with the ability to conveniently incorporate Cortec® VpCI technology into their specific applications.

CorrBlock conforms with NACE Standard Practice RP0487-2000, NACE Standard Test Method TM0208-2008, and MIL-I-22110C.

TYPICAL APPLICATIONS

CorrBlock is suitable for open loop re-circulating cooling systems and waste water systems. The product can be placed in make-up water, cooling tower basin, returned water circuits, or waste water systems. In typical use CorrBlock should be replaced every 1-2 months.

CorrBlock is suitable for use in metalworking machines that are water cooled. This helps protect the tool and parts being machined. CorrBlock is generally compatible with coolant, however testing is recommended.

DOSAGE RATES

CorrBlock should provide 50 - 100 ppm of inhibitors in a system when immersed. Each CorrBlock weighs approximately 400g and is made to treat 4000 liters of running water. The exact amount of CorrBlock needed for a system should be determined based on water volume, flow rate, water temperature, and water chemistry. When a CorrBlock is dissolved a new one can be easily added to the system to provide continued protection.

FEATURES

- Safe to handle
- Eliminates the need for dosing pumps and tanks for conventional liquid inhibitors
- Protects tools, workpiece, and metalworking machines during downtime
- Protects carbon steels, zinc, stainless steel, galvanized steel, copper, and other yellow metals
- Prevents corrosion and pitting
- Contains contact and vapor phase corrosion inhibitors
- Can be used as a corrosion inhibitor additive in majority of water treatment programs
- Compatible with majority of commercially available biocides and antiscalants
- Nitrite, chromate, and heavy metal free
- Easy application
- Environmentally friendly formulation
- Easily traceable utilizing a Molybdenum test kit
- Does not cause foaming
- Does not promote bacteria growth

TYPICAL PROPERTIES

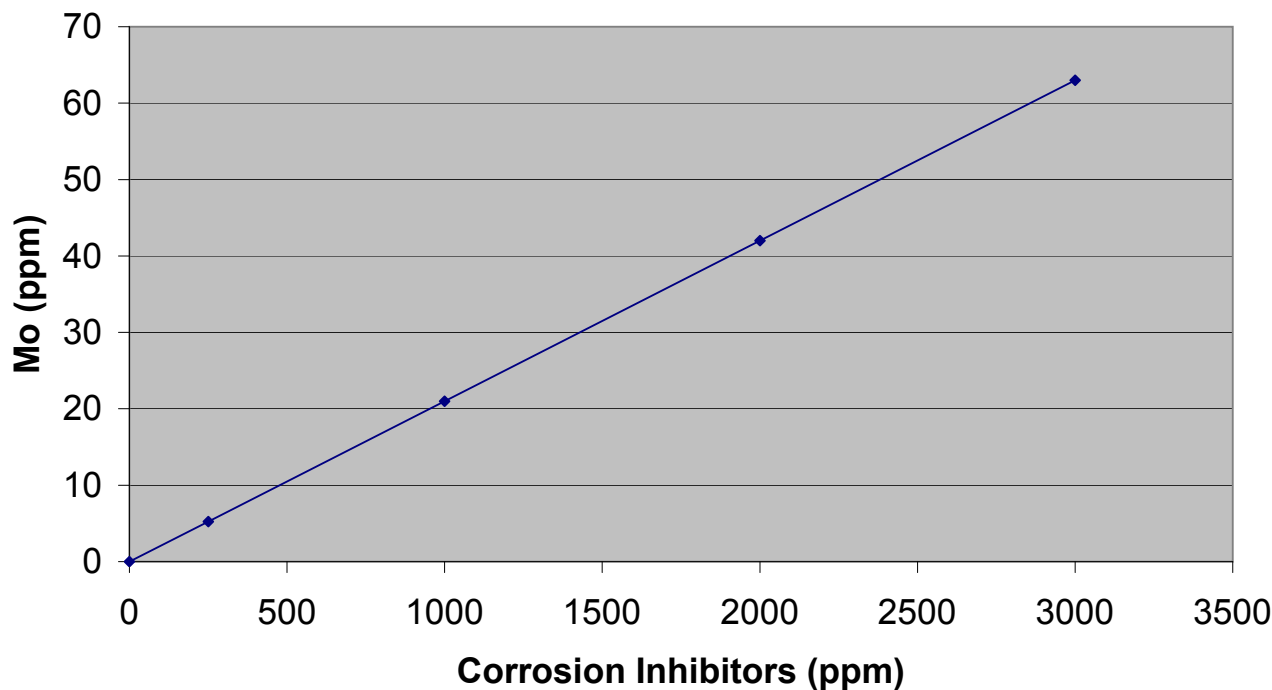
Appearance Green block

PACKAGING AND STORAGE

They should be stored in a tightly closed container. The shelf life is 2 years.



Theoretical Correlation: Tracer Molybdenum vs. Inhibitors in a system



FOR INDUSTRIAL USE ONLY

KEEP OUT OF REACH OF CHILDREN

KEEP CONTAINER TIGHTLY CLOSED

NOT FOR INTERNAL CONSUMPTION

**CONSULT SAFETY DATA SHEET FOR MORE
INFORMATION**

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.



Distributed by:



www.esvasolutions.com

printed on recycled paper  100% post consumer

Revised: 1/7/14. ©Cortec Corporation 2012-2014. All rights reserved. Supersedes: 2/24/12.

Cortec® and VpCI® are trademarks of Cortec Corporation.

© 2014, Cortec Corporation. All Rights Reserved. Copying of these materials in any form without the written authorization of Cortec Corporation is strictly prohibited. ISO accreditation applies to Cortec's processes only.