Building Services Products Ltd

Valves Instruments Plus Ltd
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Inhibi-Clean 400 Chemical Inhibitor / Cleanser

Product Data Sheet

Description & Application

Inhibi-Clean 400 is a balanced pH Neutral blend of biodegradable and non-hazardous ingredients applicable for non-drain cleansing and passivation of closed Heating, Cooling and Condenser Water systems. The organic blend of ingredients eliminates all types of contaminants, by chemically reacting with lighter particles and dispersing the heavier particles or debris so that it is easily collected in the BSP Filter Pot.

Once dosed into a system, Inhibi-Clean 400 gently cleanses system materials for up to 48 hours and does not need to be flushed out of the system following treatment.

The product is tested to be safe for use with all materials normally found within a system eg. Ferrous and non-Ferrous metals such as Mild Steel, Stainless Steel, Copper and its alloys, and Aluminium etc. Once Inhibi-Clean 400 lifts corrosion debris into the system flow it provides a layer of passivation to the metal surface and protects it from further corrosion.

Inhibi-Clean 400 is compatible to use with all types of water, including high hardness, softened and de-ionised water. This product can be dosed into Closed Heating, Chilled or Condenser Water Water Circuits with no Pollution or Environmental concerns.

Inhibi-Clean 400 contains Molybdate corrosion inhibitor for protecting metals, including Aluminium, against corrosion. Performance can be monitored by testing for Molybdate residual in water by using the BSP Inhibitor Test Strips.

General Specifications

Form	: Liquid
Appearance	: Light Yellow - Amber
Specific Gravity	: 1.18 - 1.25
Flash Point	: None
pH	: 7 - 9
Solubility in Water	: Complete

Features & Benefits

- Non-Drain Cleaner and Passivator.
- Non-Hazardous Chemicals and Biodegradable product.
- When dosed, offers pH Neutral system water.
- Offers excellent protection against anodic and cathodic corrosion.
- Minimises pitting corrosion and general corrosion.
- Does not contain heavy metals.
- Contains Corrosion Inhibitors for ferrous and non-ferrous metals.
- Minor contribution to water conductivity and dissolved solids.
- Systems treated with Inhibi-Clean 400 require minimal biocide dosing.

Feeding & Dosage

Typical dose for Closed systems containing soft water is 0.25% — 0.3% V/V to maintain Molybdate inhibitor reserve of 100mg/L (as MO4).

1 Litre of Inhibi-Clean 400 will dose 400 Litres of System Water

Use Instructions

This product is designed for treating HVAC Closed Heating, Cooling and Condenser systems where water may not contact edible products.

Working temperatures

0°C to 95°C.

Monitoring

For quicker determination of inhibitor levels: Test for Molybdate content in water and maintain 100mg/L Molybdate residual at all times.

For better control of corrosion and to monitor long-term performance, it is advisable to check corrosion rates using corrosion meters.

Handling Precautions

Wear suitable protective gloves and safety goggles. In case of contact, immediately flush with plenty of water. After eye contact, seek medical advice. Refer Material Safety Data Sheet before use.

Storage

Store the containers tightly closed and in a well ventilated place.

Shelf Life: 2 Years