



# Vapro VBCI-849

## Water Soluble VBCI Powder

Conforms to MIL-I-22110C

**Passed German VIA (Vapour Inhibition Ability) Test TL 8135-002**

**NATO STOCK NUMBER: 6850-32-081-2158**

### Overview

Vapro VBCI-849 is a water-soluble V.C.I. powder with superior corrosion inhibitor for wet or dry corrosion protection of ferrous metals and aluminum.

Vapro VBCI-849 offers low dosage effectiveness as a treatment for closed loop cooling system, hydrotesting and wide variety of marine process applications.

### Areas of Use

- Vapro VBCI-849 V.C.I powder is used for wet protection of internal cavities and voids that can be covered or closed after application.
- For protection of closed loop cooling systems-dry lay-up.
- For protection of pipes and equipment during hydrostatic testing.
- For protection of tubular structures, pipes, heat exchangers, tanks, vessel etc.



### Advantages

- Wet corrosion protection.
- Low dosage, provides economical treatment.
- Water soluble for easy application.
- Provides effective corrosion protection against aggressive attack from chloride, salt water and other dissolved halogens.
- Biodegradable.
- Does not contain phosphates, chromates or other heavy metals.
- Easily dissolved in water after application.
- VBCI layer does not need to be removed prior to processing or use.



## Method of Application

### Wet Application

Vapro VBCI-849 should be added at 0.75% by weight of water for severe applications and 0.25% by weight of water for less corrosive environment.

### Dry Application

Applying powder by dusting, fogging or sprinkling. After application seal all vents.

Fogging can be achieved by using a low pressure air hose and sandblast cup.

For powder application, use 9 to 10 grams of VAPPRO VBCI-849 per cubic foot (28 litres) of enclosed space. The dosage can be increased as needed for more severe conditions.

### Method of Removal

When required, VAPPRO VBCI-849 in powder form can be easily removed by using a low pressure air gun or by a water rinse.

## Typical Properties

### Appearance

Pearl White Powder

### Melting Point

260 °C

### pH at 1% solution 20 °C

11

### H<sub>2</sub>O wt. %

> 0.05

## Available Packaging

25 kg & 100kg drum

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