



ECO FRIENDLY  
SUSTAINABLE  
BIODEGRADABLE



VBCI Series- A class of environmentally friendly corrosion inhibitors for a cleaner, greener, better tomorrow.

# Vapro VBCI-838

## VBCI Coolant Additive

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

NATO STOCK NUMBER: 6850-32-076-106

### Description

VaproVBCI- 838 is specially formulated to protect ferrous and non-ferrous metals from corrosive solutions. It is designed to provide long term protection for ferrous and non-ferrous metals in fresh water, steam and glycol closed loop systems. An ideal replacement for nitrite chromate and phosphate based formulations. It is environmentally friendly for use without sacrificing operational efficiency or economy.

It offers effectiveness similar to the chromate treatment without the problems of fouling encountered in conventional non-chromate systems.

Vapro VBCI-838 provides both contact and vapour phase inhibition to fully protect ferrous and non-ferrous metals. Through solution contact, its physically absorbed inhibiting layer prevents corrosion and pitting of directly contacted metal surfaces.

At the same time, its vapour phase action prevents corrosion to parts not accessible by direct solution contact such as headspaces in standby systems.

Vapro VBCI-838 also incorporates an anti-scalant to maintain heat transfer efficiency.

### Features

- Contains no chromate or heavy metals.
- Eliminates costs for chromate reduction and sludge disposal.
- Effective for a broad range of application to stop aggressive corrosion from fresh water, glycol coolants, etc.



- Biodegradable, environmentally friendly, nitrite free.
- Excellent corrosion protection and system cleanliness.
- Protects ferrous and non-ferrous metals from corrosion and pitting.
- Keeps system free from sludge and scale deposits
- Readily water soluble liquid for easy application.
- Vapour phase action provides protection to areas that contact inhibitors.
- Reduces maintenance time and costs.
- Simple and easy operator control.
- Low concentration effectiveness provides economical treatment.
- Provides more efficient heat transfer.



## Applications

- For closed loop cooling systems.
- Inhibitor for hydrostatic testing of pipelines, casings, tanks and valves.
- Mines, mining and earth moving equipment.
- Vapro VBCI-838 can be used for cooling systems where there may be a problem and also for standby systems with headspace requiring vapour phase corrosion protection.

## Method Of Application

Use neat or diluted Vapro VBCI-838 1:1 by volume with water.  
Vapro VBCI-838 is compatible with conventional radiator coolant.

## Specifications

**Appearance**  
Luminous Green

**PH**  
12 ± 0.5

**Viscosity**  
Free Flowing

**Odour**  
Bland

**Specific Gravity**  
1.09 ± 0.05

**Flash Point**  
Non-flammable

**Boiling Point**  
102 °C

**Freezing Point**  
-10 °C

## Available Packaging

20 Litres or 200 Litres drum

**Magna**

**Magna International Pte Ltd**

10H, Enterprise Road,  
Singapore 629834.

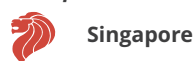
**Tel** (65) 6786-2616

**Fax** (65) 6785-1497

**Email** info@magnachem.com.sg  
info@vaprovci.com

**Web** http://www.vaprovci.com

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