



ECO FRIENDLY
SUSTAINABLE
BIODEGRADABLE



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

VBCI ADDITIVES SERIES

Vapro VBCI-853

VBCI Emulsol

CONFIRMS TO MIL-C-81309E

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

NATO STOCK NUMBER: PENDING

Description

Vapro VBCI-853 Emulsol is specially developed to replace conventional oil rust preventatives.

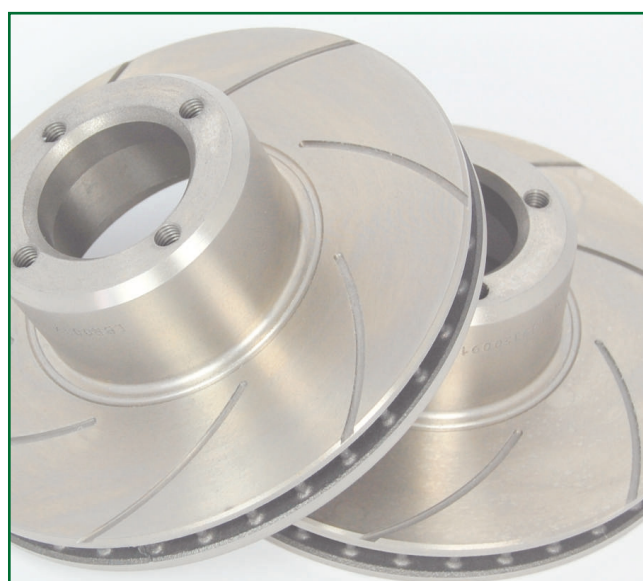
It is diluted with water before application and produces a thin, transparent, tack-free corrosion inhibiting film, with excellent water displacement properties.

Vapro VBCI-853 VCI Emulsol protects in two unique ways. It provides a tenacious film which clings to metal surfaces, giving excellent contact protection and releases VCI, Vapour Corrosion Inhibitors, that attach electrochemically to metal surfaces for additional corrosion protection.

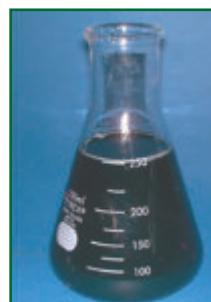
The combined action provides complete protection to the internal systems of machined parts and components.

Vapro VBCI-853 VCI Emulsol performs effectively even under the most adverse conditions of 100% Relative Humidity and in the presence of corrosive elements such as chlorides, sulfur compounds or hydrogen sulfide.

It is an environmental friendly and biodegradable. Vapro VBCI-853 VCI Emulsol is nitrite-free and does not contain hazardous chromates, phosphates or other heavy metals.



After 84 hours in 100% Humidity Chamber



VBCI-853 before dilution



VBCI-853 after dilution of 1:20



Features

- Protects both ferrous and non-ferrous metals Nitrite-free and does not contain hazardous chromates or heavy metals
- Protects in two unique ways – excellent contact barrier film and VBCI protection
- Excellent water displacement properties
- Biodegradable
- Essentially non-toxic
- Environmental friendly
- Does not contain any ozone depleting substances
- Protects metals against corrosion in corrosive environment
- Economical – Dilutable with water
- VBCI phase provides protection to the internal system of machined parts
- Contains excellent anti-bacterial properties
- Can be fogged into metal compartment
- Specially developed to replace oils / solvent based rust preventative compounds
- Performs effectively at 100% Relative Humidity
- Protects ferrous and non-ferrous metals against chlorides, sulfur compounds or hydrogen sulfide

Typical Applications

- It can be diluted with water or solvent before application.
- Depending on the desired protection duration,
- Vapro VBCI-853 Emulsol may be diluted up to 100% with water.
- For short-term protection (1 – 6 months), - 1 part of Vapro VBCI-853 Emulsol to 20 parts of water.
- For Medium-term protection (6 – 12 months) - 1 part of Vapro VBCI Emulsol to 15 parts of water.
- For Long-term protection (up to 2 years) - 1 part of Vapro VBCI-853 Emulsol to 9 parts of water.

Specifications

Appearance

Green slight viscous liquid

pH

10

Flash Point COC ASTM D92

170°C

Copper Corrosion ASTM D130

1B

Specific Gravity ASTM D1298

0.92

Pour Point ASTM D97

-42°C

Viscosity Cst @ 40°C

30

Areas of Use

Dipping, spraying or flow coating, either concentrated or diluted.

Any machined metal parts, components or assembly between processing stages or in storage or shipping.

To protect ferrous and non-ferrous parts from corrosion or flash-rust during assembly handling or shipping.

Available Packaging

20 Litres & 200 Litres drum

Magna

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