



ECO FRIENDLY
SUSTAINABLE
BIODEGRADABLE



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

Vapro VBCI-OP-531

Protects Oil & Gas Pipelines Against CO₂ & H₂S Proprietary blend of fatty Imidazoline

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

NATO STOCK NUMBER: PENDING

Introduction

Despite the fact that carbon steel has low resistance to CO₂ environments, it is widely used in the petroleum industry mainly due to economical reasons. Carbon dioxide (CO₂) corrosion of carbon steel pipelines and equipment in the oil and gas industry has been given much attention in recent years because of an increased tendency to inject CO₂ into oil wells to reduce the viscosity of oil and increase the its production. Internal corrosion of carbon steel pipelines is a major problem encountered in the oil and gas industry.

Vapro VBCI-OP 531 is a proprietary corrosion inhibitor developed specially to combat carbon dioxide and hydrogen sulphide in oil and gas pipelines.

Description

Vapro VBCI-OP 531 is a free flowing slight amber liquid specially developed to combat Hydrogen Sulfide, and Carbon dioxide commonly found in crude oil processing equipment, pipelines, refinery and petrochemical plant equipment and system.

Vapro VBCI-OP 531 is an excellent product for protecting the above said equipment against corrosion caused by carbon dioxide and hydrogen sulphide by forming a corrosion inhibiting barrier film. In addition, Vapro VBCI-OP 531 provides a continuous vapour inhibitor to protect areas that are inaccessible through direct solution contact.



Features & Benefits

- Exhibits excellent corrosion inhibition properties against Hydrogen Sulfide, and Carbon dioxide and Oxygen
- Prevents stress corrosion cracking (SCC) and hydrogen embrittlement. VBCI phase provides continuous protection to inaccessible areas of the equipment.
- Eliminates pitting corrosion
- Inhibitor forms a an excellent barrier on surface of the equipment against corrosive gases.
- Post lingering corrosion inhibition effect.
- Nitrite-Free
- Contains no heavy metal
- Protects both ferrous and non-ferrous metals
- Available in concentrate form to reduce inventory shipment cost.



TYPE OF CORROSIVE MEDIUM	METHOD OF APPLICATION	DOSAGE
H ₂ S	Fogging/Continuous Injection	8000-10,000ppm
CO ₂	Fogging/Continuous Injection	350-500ppm
O ₂	Fogging/Continuous Injection	250-300ppm
Moisture	Fogging	1000-1500ppm

Typical Properties

Appearance

Clear Liquid

Color

Light Amber Liquid

Viscosity

Free Flowing Liquid

pH

9.5- 11 (1% solution)

Areas of Use

- Oil wells and equipment
- Pipelines and collection systems for water- encroached crude oil
- Refinery processing equipment
- Petrochemical plant equipment and systems
- Crude Oil processing equipment
- Crude Oil pipes

Available Packaging

20 liter HPDE Pail or 209 liter Steel Drum



Magna International Pte Ltd

10H, Enterprise Road,
Singapore 629834.

Tel (65) 6786-2616

Fax (65) 6785-1497

Email info@magnachem.com.sg
info@vapprovci.com

Web http://www.vapprovci.com

Headquarters



Singapore

Regional Offices



Australia



Canada

Follow us on social media for
regular updates and news.



<https://www.facebook.com/vapprovci/>
<https://www.facebook.com/MagnaInternationalPteLtd/>

The details of our products are given completely free of undertaking. Since their application lies outside our control, we cannot accept any liability for the results. User shall determine the suitability of the product for its intended use, and user assumes all risk and liability whatsoever in connection therewith.



Copyright 2018. Magna International Pte Ltd.

Magna, Vapro VCI and Vapro VBCI are registered trademarks of Magna International Pte Ltd.