



VAPPRO VCI-OP 531

Proprietary blend of fatty Imidazoline

Protects Oil & Gas Pipelines Against CO₂ And H₂S

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 its production. Internal corrosion of carbon steel pipelines is a major problem encountered in the oil and gas industry.

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

DESCRIPTION

Vapro VCI-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 VCI-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 VCI-OP 531 provides a continuous vapour inhibitor to protect areas that are inaccessible through direct solution contact.

FEATURES

- Exhibits excellent corrosion inhibition properties against Hydrogen Sulfide, and Carbon dioxide and Oxygen
- Prevents stress corrosion cracking (SCC) and hydrogen embrittlement. VCI phase provides continuous protection to inaccessible areas of the equipment.
- Eliminates pitting corrosion
- Inhibitor forms 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.





Severe corrossions found on pipes

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

Amber

Viscosity

Free Flowing Liquid

pH

9 - 10.5 (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

Packaging: 20 liter HPDE Pail or 209 liter Steel Drum

Magna

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