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

Vapro VBCI WA5 Wetting Agent

Wetting Agent For Aqueous And Non-Aqueous Systems

NATO STOCK NUMBER: PENDING

Introduction

Vapro VBCI Wetting agents are chemical substances that increase the spreading and penetrating properties of a liquid by lowering its surface tension. The surface tension of a liquid is the tendency of the molecules to bond together, and is determined by the strength of the bonds or attraction between the liquid molecules. A wetting agent stretches said bonds and decreases the tendency of molecules to bond together, which allows the liquid to spread more easily across any solid surface. Wetting agents can be made up of a variety of chemicals, all of which have this tension-lowering effect.

Description

Vapro VBCI extensive line of wetting agents provides formulators with a full range of solutions to meet your system requirements. Based on a unique range of surfactant technologies, Vapro VBCI Wetting Agents possess unique properties that allow multifunctional performance. This means they reduce both equilibrium and dynamic surface tension to provide outstanding wetting and low foam properties – something unparalleled in additive technology.

VAPPRO VBCI-WA 5 is slight viscous free flowing transparent liquid.

VAPPRO VBCI-WA 5 is a wetting agent is applicable for both aqueous and non-aqueous systems. It provides excellent wetting properties at very low concentrations.

VAPPRO VBCI-WA 5 is specially formulated for use in combination with Vapro water-soluble and oil-soluble corrosion inhibiting systems.

Features

- Economical
- Safe to use
- Equally effective in aqueous and non-aqueous systems
- Low foam properties

Applications

- As wetting agent for both aqueous and non-aqueous systems
- For reducing or eliminating bit balling
- For reducing surface tension of drilling fluid to allow faster chip removal without continuously grinding the hard shale formations
- For improving drilling efficiency by preferentially coating the bottom-hole assembly and drill string
- For minimizing differential sticking
- For increasing bit life and reduce drill pipe and bottom-hole assembly wear

Dosage

The recommended dosage range of VAPPRO VBCI-WA 5 is between 100 to 5000 ppm. The shelf life is 2 years. Please consult a Vapro VBCI representative for a specific recommendation.

Note: This product may have some foaming properties. Try a small addition of Vapro VBCI Anti foam agent.



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Typical Properties

Appearance

Viscous Light Yellow to colorless liquid

pH

7.3 ± 0.5 (1% solution)

Specific Gravity

1.039 ± 0.05

Available Packaging

20 liters pail / 200 liters drum



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