PARAMUL* primary emulsifier is designed to be used in the PARATEC* system.

It provides excellent emulsion stability and preferential wetting of solids by the continuous phase, filtration control and temperature stability. PARAMUL emulsifier is used in conjunction with the PARAWET* secondary emulsifier in the PARATEC system. It can also be used as a primary emulsifier in other PARA-, VERSA-, and NOVA- systems along with a secondary emulsifier.

Typical Physical Properties

Physical appearance ......................................................................................................................................................................................................... Black liquid
Specific gravity .......................................................................................................................................................................................................................... 0.94-0.97
Flash Point .......................................................................................................................................................................................................................... 149°F (65°C)

Applications

PARAMUL emulsifier is designed for use as the primary emulsifier in the PARATEC system to provide excellent emulsion and oil wetting.

PARAMUL additive contributes to the high-temperature, high-pressure (HTHP) filtration control and to the temperature stability of the system. It is effective over a wide temperature range and in the presence of contaminants. PARAMUL emulsifier is used in conjunction with the secondary PARAWET emulsifier in the PARATEC system to enhance the emulsion characteristics.

Initial system formulations require 17-29 kg/m³ (6-10.2 lb/bbl) depending on the properties desired and other components in the system. Daily treatments are usually in the 0.3-2.85 kg/m³ (0.1-1 lb/bbl) range.

For high-temperature applications (temperature >150°C/300°F), initial system formulations require 25-40 kg/m³ (8.75-14.0 lb/bbl).

PARAMUL emulsifier meets the Norwegian environmental requirements to be classified as a yellow product.

Advantages

• Improves emulsion stability
• Functions as a secondary wetting agent
• Provides filtration control
• Helps maintain HTHP filtrate in a water-free state
• Improves the thermal stability and contamination-resistance of the systems

Toxicity and Handling

HOCNF is available upon request.

Avoid eye and skin contact. Wash after handling. Gloves and goggles are recommended when handling this product. In case of contact with skin, wash the exposed area with copious quantities of water. In case of contact with eyes, wash with plenty of water and seek medical advice. Health and safety data sheet should be consulted prior to handling. PARAMUL emulsifier does not have a restricted classification for transportation.

Packaging and Storage

PARAMUL emulsifier comes in a standard pack unit – bulk 1,000 L (264 gal). Other pack units are available upon request.

PARAMUL emulsifier should be stored in a sealed container.
This information is supplied solely for informational purposes and M-I SWACO makes no guarantees or warranties, expressed or implied, with respect to the accuracy or use of this data. All product warranties and guarantees shall be governed by the Standard Terms of Sale. Nothing in this document is legal advice or is a substitute for competent legal advice.