

Versamul

Versamul* multi-purpose emulsifier is a liquid blend of selected emulsifiers, wetting agents, gelling agents and fluid stabilizers in a mineral oil base. It is used as the basic emulsifier for the Versadril*, Versaclean* and Versaport* oil mud systems. Versamul emulsifier provides excellent emulsion stability, secondary wetting, viscosity, filtration control and temperature stability

Typical Physical Properties

Physical appearanceDark-amber, viscous liquid
 Specific gravity0.84-0.96
 Flash Point.....91.7C

Applications

Versamul emulsifier forms the basic brine-in-oil emulsion required for the Versadril, Versaclean or Versaport oil mud systems. Initial system formulations require 4 to 10 lb/bbl (11.4 to 28.5 kg/m3), depending on the properties desired and other components in the system. Daily treatments of Versamul emulsifier enhance the emulsion characteristics of these systems. Daily treatments are usually in the 0.05 to 2 lb/bbl (0.14 to 5.7 kg/m3) range. Versamul emulsifier treatments lower fluid loss and increase viscosity. Versamul emulsifier is activated by calcium and performs best at higher levels (>3 lb/bbl or >8.6 kg/m3) of excess lime. Generally, 1 lb/bbl (2.85 kg/m3) lime should be added to initial formulations for every 1 lb/bbl (2.85 kg/m3) Versamul emulsifier.

Advantages

- Is a multi-purpose product which can be used in a wide variety of oil mud systems, including Versadril, Versaclean and Versaport systems
- Improves emulsion stability
- Functions as a secondary wetting agent
- Provides viscosity
- Provides filtration control
- Helps maintain high-temperature, high-pressure filtrate in a water-free state
- Improves the thermal stability and contamination-resistance of an oil mud

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Toxicity and Handling

Information on biological data can be provided upon request.

Handle in accordance with the Material Safety Data Sheet (MSDS) and general requirements for working with industrial reagents

Packaging and Storage

Versamul additive is packaged in a 55-gal (208-L) drum and 275 gal (1000-L) totes.

Store in a dry, well-ventilated area. Keep container closed. Keep away from heat, sparks and flames. Store away from incompatibles. Follow safe warehousing practices regarding palletizing, banding, shrink-wrapping and/or stacking.

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