

MEGAMUL II

Enhanced multipurpose emulsifier

APPLICATIONS

Emulsifier and wetting agent for the MEGADRIVE* emulsifier package

BENEFITS

- Is a one-drum, multipurpose product specifically formulated for the MEGADRIVE emulsifier package
- Reduces HPHT fluid loss in oil-mud systems
- Enhances emulsion and thermal stability

FEATURES

Environmental restrictions concerning the use of oils and oil-based fluids should be considered because MEGAMUL II* enhanced multipurpose emulsifier is used in conjunction with oil.

MEGAMUL II emulsifier forms the basic brine-in-oil emulsion required for the MEGADRIVE package. Initial system formulations require 3 to 8 lbm/bbl [8.6 to 22.8 kg/m³].

Recommended concentrations of MEGAMUL II emulsifier range from 2 to 8 lbm/bbl [5.7 to 22.8 kg/m³], with occasional daily additions from 0.25 to 0.5 lbm/bbl [0.71 to 1.43 kg/m³]. High-temperature situations and special applications may require higher concentrations—as much as 10 lbm/bbl [28.5 kg/m³] depending on density, oil-to-water ratio, and required temperature stability.

The MEGAMUL II emulsifier is activated by calcium. Lime should be added to initial formulations and be maintained in excess of at least 1 lbm/bbl [2.85 g/m³].

Toxicity and handling

Bioassay information is available on request. Handle as an industrial chemical, wearing protective equipment and observing the precautions as described in the SDS.

Packaging and storage

MEGAMUL II emulsifier is generally packaged in 55-galUS [208-L] drums. Store in a dry, well-ventilated area and keep the container closed. Keep away from heat, sparks, and flames, and store away from incompatibles. Follow safe warehousing practices regarding palletizing, banding, shrink-wrapping, and stacking.

Typical Physical Properties

Physical appearance	Dark brown viscous liquid
Specific gravity	0.968
Flash point	221 degF [105 degC]