

# MEGAMUL

## MEGAMUL\* multi-purpose emulsifier serves as the basic emulsifier and wetting agent in the MEGADRIL\* diesel oil-base system.

Secondary benefits include improved thermal stability and high-temperature, high-pressure (HTHP) filtration control. The product is effective over a wide temperature range and in the presence of contaminants such as water, solids and cement. MEGAMUL emulsifier effectively reduces the adverse effects of water and drill solids contamination.

### Typical Physical Properties

Physical appearance .....	Dark-amber, viscous liquid
Specific gravity .....	0.90 – 0.99
Flash point .....	>203°F (>95°C) (PMCC)

### Applications

MEGAMUL emulsifier forms the basic brine-in-oil emulsion required for the MEGADRIL oil mud system. Initial system formulations require 4 to 12 lb/bbl (11.4 to 34.2 kg/m<sup>3</sup>), depending on the density, oil:water ratio, and required temperature stability.

MEGAMUL emulsifier requires excess lime to properly function; add 4 to 8 lb/bbl (11.4 to 23 kg/m<sup>3</sup>) on initial make-up and maintain an excess of at least 1 lb/bbl (3 kg/m<sup>3</sup>).

### Advantages

- One-drum multi-purpose product which is specifically formulated for MEGADRIL oil mud system
- Temperature stable to >450°F (>230°C)
- Improves emulsion stability
- Helps maintain HTHP filtrate in a water-free state
- Improves thermal stability, rheological stability, filtration control and contamination resistance of oil-base muds
- Effective at counteracting the adverse effects of water contamination such as high viscosity, low-emulsion stability and water-wet solids
- Compatible with standard VERSADRIL\* products

### Limitations

- Environmental restrictions concerning the use of oils and oil-base fluids should be considered since MEGAMUL emulsifier is used in conjunction with oil

### Toxicity and Handling

Bioassay information is available upon request.

Handle as an industrial chemical, wearing protective equipment and observing the precautions as described in the Material Safety Data Sheet (MSDS).

### Packaging and Storage

MEGAMUL emulsifier is packaged in 55-gal (208-L) drums.

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.



P.O. Box 42842  
Houston, Texas 77242-2842  
Tel: 281-561-1300  
Fax: 281-561-1441  
[www.miswaco.com](http://www.miswaco.com)  
E-mail: [questions@miswaco.com](mailto:questions@miswaco.com)

This information is supplied solely for informational purposes and M-I SWACO makes no guarantees or warranties, either expressed or implied, with respect to the accuracy and 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.