# LOW TOX MINERAL OIL (LTMO)

LTMO is a highly refined, low toxicity and low temperature mineral oil, intended for use as a dispersion medium for invert emulsion drilling fluids such as VERSACLEAN, MEGADRIL, and others.

#### **Typical Physical Properties**

Physical appearance	Light-yellow liquid
Specific gravity	0.84-0.87
Physical appearance Specific gravity. Flash point Viscosity. Temperature stability.	100oC (212oF)
Viscosity	
Temperature stability	>200oC (392 oF)
Freezing Point	60oĆ
Freezing Point	<3%

## **Applications**

Mineral oil LTMO is used as a base (dispersion medium) invert emulsion oil-based drilling fluids in concentrations ranging from 60 to 90% vol. When used in a drilling fluid, the product provides low coefficients of friction, high stability of fluids, high solid phase tolerance and high wellbore stability in active and / or unstable intervals and salt deposits.

It is recommended to maintain temperature of the fluid above the poring point temperature and preheat it while mixing to temperatures of 40-50 oC to maximize efficiency of mixing process.

It is recommended to use HP shearing units and devices to yield mud and let it develop required and programmed rheological characteristics.

parameters.

#### **Advantages**

- Low toxic
- High flash point
- Low vapor pressure

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#### **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**

Standard pack unit: 1 M3 IBC and bulk. Other pack unit: on request

Store in a sealed container at ambient temperature.

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