

**RheoMinerals RM99** is an amine treated organophilic sepiolite used as a rheological additive in non-aqueous drilling fluids.

### GENERAL DESCRIPTION

**RM99** is a cost-effective alternative to organophilic attapulgite rheological modifiers. **RM99** suspends drill cuttings and weighting materials, without adversely increasing viscosity. This allows low viscosity drilling fluids to attain a higher carrying capacity for solids removal. **RM99** helps to prevent stuck pipe and barite sag in horizontal wells through solids suspension.

### FEATURES AND BENEFITS

- Provides excellent performance in horizontal wells
- Enhances low shear rate viscosity without increasing fluid viscosity
- High thermal stability
- Improves rate of penetration
- Is environmentally non-hazardous

### PHYSICAL PROPERTIES AND LIMITATIONS

Appearance/Form	Light tan, free flowing powder
Specific gravity	2.0 g/cm <sup>3</sup>
Moisture	5.5% maximum
Temperature	450°F (232.2°C) Maximum

### APPLICATIONS

**RM99** is recommended for use in non-aqueous drilling fluids where bottom hole temperatures do not exceed 450°F (232.2°C). Applicable base oils include: diesel, mineral oils, modified vegetable oils, Distillate 822, Cutter D, and various synthetics. Please refer to the Safety Data Sheet for more information on safe handling.

**RM99** can be used in conjunction with standard organoclays or as a stand-alone additive. Drilling fluids built with standard organoclays can benefit from **RM99** additions by increasing solids suspension and carrying capacity without an increase in viscosity. **RM99** can also be used to prevent settling in stored drilling fluids. **RM99** has a higher thermal stability than standard organoclays, thus increasing the durability of a conventional system in high temperature wells.

Recommended concentrations are 2 to 6 lb/bbl (5.7 to 17.1 kg/m<sup>3</sup>). Pilot testing is recommended to determine actual concentrations of **RM99** before use in the field.

### PACKAGING

**RM99** is packaged in 50 lb. or 25 kg multi-walled kraft paper bags. 1 MT super sacks are available upon request. This product is moisture sensitive and should be stored in a cool, dry location. Pallet stacking should be no more than two pallets high to prevent compaction.

We believe the information is accurate, however, actual product and product specifications may vary and we cannot guarantee the accuracy of the information. This document does not form part of a contract for sale, and as such: (i) purchasers of products should not rely on any statements made herein; (ii) purchasers are responsible for conducting their own investigations to determine if products are suitable for a particular use; and (iii) there is no warranty, express or implied, including a warranty of merchantability and fitness for use.

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