

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

GENERAL DESCRIPTION

RM99 PLUS is a cost-effective alternative to organophilic attapulgite rheological modifiers that allows for a greater yield in higher oil ratio fluids. This exclusive rheological morphology allows low viscosity drilling fluids to attain a higher carrying capacity for solids removal, without adversely increasing viscosity. **RM99 PLUS** assists in suspending drill cuttings and weighting materials, helping to prevent stuck pipe and barite sag in horizontal wells.

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 ³
Moisture	5.5% maximum
Temperature	450°F (232.2°C) Maximum

APPLICATIONS

RM99 PLUS 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 PLUS can be used in conjunction with standard organoclays or as a stand-alone additive. Drilling fluids built with standard organoclays can benefit from **RM99 PLUS** additions by increasing solids suspension and carrying capacity without an increase in viscosity. **RM99 PLUS** can also be used to prevent settling in stored drilling fluids. **RM99 PLUS** 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/m³). Pilot testing is recommended to determine actual concentrations of **RM99 PLUS** before use in the field.

PACKAGING

RM99 PLUS 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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