

1. CHEMICAL DESCRIPTION

EMULAM RM77 is based on an anionic synthetic polymer in emulsion.

2. MAIN USE

EMULAM RM77 is a liquid polymeric viscosifier for invert emulsion muds that improves rheological and suspension properties.

3. TYPICAL VALUES

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|---------------------|--------|
| Appearance at 20°C: | liquid |
| Colour: | milky |
| pH (as is@ 25°C): | 2-5 |
| Boiling point: | 100 |

4. Application

EMULAM RM77 is a synthetic polymer in aqueous emulsion designed to quickly achieve the desired viscosity in oil-based drilling fluids (being the base oil a lot aromatic mineral oil, a synthetic or Diesel). EMULAM RM77 increases low-shear viscosity, gel strengths and thixotropic characteristics of the mud, for improved hole cleaning, cuttings carrying capacity and weighting material suspension. EMULAM RM77 can reduce the concentration of organophilic clays in the invert emulsion fluids, producing a shear thinning rheological profile.

EMULAM RM77 may be used alone or in combination with organoclays. Treatments range normally from 0,5 to 5 lb/bbl depending on the oil/water ratio, the desired properties as well as other components of the drilling fluid.

Pilot testing is suggested to determine the actual treatment required to obtain the desired result.

5. STORAGE AND HANDLING

In order to maintain the performance of the product, store at room temperature and protect from frost.

6. PACKAGING

55 US gal non-returnable drums, palletized, strapped and stretch-hooded (4 drums per pallet).

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