

# BENTONE 38

*Solutions Through Technology.....*

*Environmentally Friendly Chemicals*

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## Product Description

BENTONE 38 is an organophilic clay prepared from specially selected hectorite clays, reacted with a quaternary ammonium compound.

## Typical Application

BENTONE 38 is a primary viscosifier for the oil based drilling fluid system. BENTONE 38 is specifically designed for systems used at elevated temperatures (>300°F, 177°C) and provides the required rheological properties for hole cleaning and suspension.

## Product Advantages

- Specially designed to provide viscosity and exceptional yield point.
- Contributes to the control of the HTHP filtration rate of the system.
- Disperses rapidly into the oil phase of the system.
- Provides stable rheology at elevated bottom hole temperatures.

## Recommended Treatment

Treatment will depend on the mud weight, oil to water ratio (OWR), and total solids content, but for most applications a concentration within the range of 5.0 to 10.0 lb/bbl (14.25 - 28.5 kg/m<sup>3</sup>) is sufficient.

## Handling

Employees should utilize normal precautions when handling chemical products. The use of a face shield or safety goggles, gloves and apron are recommended when handling this product. In case of eye contact, flush with clean, fresh water and seek medical advice. In case of skin contact, wash the affected area with soap and water. Review the Material Safety Data Sheet (MSDS) for this product prior to use. The use of a nuisance dust mask is recommended when mixing this product.

## Storage

Store at ambient temperatures, in an area protected from precipitation and contact with moisture.

## Packaging

Packaged in 50 lb (22.5 kg) multi-wall paper sacks.

## Typical Chemical and Physical Properties

Specific Gravity g/cm <sup>3</sup> .....	1.80
Solubility .....	Insoluble in water, dispersible in most organic solvents
Appearance .....	Free flowing powder
Color .....	Light tan
Odor .....	Mild