

THIN

OBM Thinner

Product Description

THIN dispersant is used as a thinner and conditioner in the oil-base drilling-fluid systems. It reduces viscosity and gel strengths through the action of macromolecules which disperse solids in the mud without the need for dilution or changing the Oil/Water Ratio (O/W Ratio).

Typical Physical Properties

Physical appearance	Dark amber liquid
Specific gravity	0.87 - 0.92
Solubility in water	Insoluble
Flash Point	>190°F (87°C)

Application

THIN additive is a dispersant and fluid conditioner for oil-base muds with high viscosity and gel strengths caused by a high content of colloidal solids. It reduces viscosity and gel strengths through the action of macromolecules which disperse solids in the mud without the need for dilution or changing the O/W Ratio when volume increases are undesirable.

Advantages

- Easy-to-mix, fast-acting liquid thinner
- Wide application in all oil-base systems

Limitations

- Avoid overtreatment with THIN dispersant. If barite settling is observed, treatments of organophilic clay should be used to restore barite suspension capacity.
- Environmental restrictions concerning the use of oils and oil-base fluids should be considered since THIN additive is used in conjunction with oil
- May not provide long-term viscosity reduction. Over a period of time or through the incorporation of additional drill solids, viscosity and gels may return to original levels.

Recommended Treatment

Typical THIN dispersant treatments range from 0.25 to 2 lb/bbl (0.71 to 5.7 kg/m³) or 7 to 28 gal per 100 bbl (1.65 to 6.6 L/m³). Incremental additions are recommended at 0.25 lb/bbl (1.43 kg/m³).

Pilot testing is recommended prior to treating the system in order to determine the required concentration and effectiveness of THIN additive. Overtreatment can cause drastic reductions in LSRV values (6- and 3-RPM readings) and gel strengths that can be difficult to recover or increase afterwards. The product should be added slowly to the system over one complete circulation to ensure an even distribution of the treatment.

Packaging and Storage

THIN temperature additive is packaged in 5-gal (18.9-L) cans and 55-gal (208-L) drums. Store in dry, well-ventilated area. Keep container closed. Store away from sources of heat or ignition. Follow safe warehousing practices regarding palletizing, banding, shrink-wrapping and/or stacking

Important Note: These suggestions and data are based on information we believe to be reliable. They are offered in good faith, but without guarantee, as conditions and method of use of our product are beyond our control. We recommend that the prospective user determine the suitability of our material and suggestions before adopting them on a commercial scale.