MICRODENSE®

P1510.1403

WBM/OBM Drilling

Product Description

MICRODENSE is micronized ilmenite or FeTiO?. It can be used on its own, with barite, Micromax or other weight materials. It enables the production of low Rheology fluids for good ECD management and low sag. It is easily soluble in oilfield acids. MicroDense is milled to a D50 of 5µ and a D90 15µ.

Product Function

MICRODENSE will settle around 8 times slower than Barite. ECD Management: The small particle size, shape and inertness of MicroDense produces fluids with significantly lower rheologies. Formation Damage Mitigation: MicroDense can be easier flow back through the formation. It is also soluble in oilfield acids such as HCl, Organic acids and Chelating agents. It is compatible with all fluid systems and additives including other weighting materials. Can supplement to lower the use of other weighting materials such as Barite with significantly improved rheology, Sag & ECD. MICRODENSE is a great option to densify fluids on restricted ECD applications.

Features and Benefits

MicroDense is approximately 10% denser and over 60% harder than barite but with significantly lower abrasiveness than barite or hematite. These properties provide benefits enabling the use of MicroDense to provide density with better Sag control and ECO management.

Recommended Treatment

Treatment levels are determined by specified requirements.

International Shipping References

Transportation of MICRODENSE is not restricted by any regulatory agency. MicroDense is not classified as Hazardous.

Standard Packing

MicroDense is packaged in 25 kgs multiwall paper sack, 1 or 1.5 MT big bags. MICRODENSE is a Registered Trade Mark product of ELKEM.

Safe Handling Recommendations

Utilize normal precautions for employee protection when handling chemical products. Utilize appropriate respirator, gloves, goggles and apron. Refer to the Material Safety Data Sheet (MSDS) for this product prior to use.

Typical Physical Properties

- Physical State: Solid
- Reservoir Compatible: Both
- Sub Category: Micronized Ilmenite
- SG value: 4.5
- Specific Gravity: 4.5 - 4.6
- Particle size (µm): 5
- Max Temperature: 400
- Category: Weighting Agents
- Product Tier: X-Premium
- Appearance: Black powder
- Bulk Density Kg/m³: 2400 - 2700

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