TRUDENSE - I

P1538.2102

WBM/OBM Drilling

Product Description

TRUDENSE - I is micronized ilmenite (FeTiO?) readily available milled powder material. 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 and has an excellent HSE profile. It is milled to a narrow PSD with a D50 of 5? and a D90 of 15?.

Product Function

Sag Control: because the product particles have a D50 of around 5?; they are less likely to settle. Compared to API barite in water, they will settle approx. 8 times slower. ECD Management: The small particle size, round shape and inertness of TRUDENSE - I produces fluids with significantly lower rheologies. This makes it I ideal to use in fluids required to drill narrow ECD margin wells and enables greater control of rheology to manage hydraulics for hole-cleaning, horsepower usage, etc. Formation Damage Mitigation: TRUDENSE -I is less damaging than other weighting additives because of its micronized size and roundness which enables easier flow back through the formation. This is confirmed by return permeability tests. ItI is also soluble in acids such as HCl (Inorganic acid), Organic acids and Chelating agents.

Features and Benefits

TRUDENSE - I is approximately 10%denser than barite and with lower particle size provides a good performance on ECD and improved Sag factor.

Recommended Treatment

Use as needed to increase density.

International Shipping References

Transportation of TRUDENSE -I is not restricted by any regulatory agency. TRUDENSE - I is not classified as Hazardous. It has therefore no risk phrases.

Standard Packing

TRUDENSE - I is packaged in 25 kgs multiwall paper sack, 1 or 1.5 MT big bags.

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: 4.55
- Specific Gravity: 4.5 - 4.6
- Particle size (µm): 5
- Max Temperature: 400
- Category: Weighting Agents
- Product Tier: Premium
- Appearance: Black powder.
- Bulk Density Kg/m³: ~2,400 - 2,700
- Particle size (µm): 20

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