

HEMAWATE 5.0

Product Description

HEMAWATE® 5.0 weighting material is a high-quality, ground iron oxide (hematite) with a specific gravity of 5.0 or above. It is used to increase the density of drilling and completion fluids up to 25ppg (3.0sg). Because of the product's high specific gravity, muds formulated with HEMAWATE® 5.0 additive has lower solids content and frequently contribute to higher rates of penetration than barite muds. It can be substituted for or blended with barite in all drilling fluid systems. HEMAWATE® 5.0 is ground and processed to remove impurities, then classified to achieve the desired particle size distribution.

Applications/Functions

- Increases drilling fluids density up to 25ppg (3.0SG)
- Especially used in high-density kill muds.

Advantages

- Use of HEMAWATE® 5.0 can result in higher rate of penetration (ROP)
- Less HEMAWATE® 5.0 than barite is required to achieve the same mud weight, which reduces mud costs
- It's a harder mineral than barite, so it is more resistant to particle-size degradation
- Approximately 97% acid soluble in 15% hydrochloric acid (HCl)
- Will partially scavenge hydrogen sulfide at neutral and low pH levels and can be regarded as a secondary sulfide scavenger.

Typical Properties

- Appearance: Red to brown powder
- Specific gravity: ≥ 5.0 ; Bulk density: 2.178 sg
- Particle hardness (MOHS scale): 5-6

Recommended Treatment

- Specific drilling conditions will dictate a suitable concentration.

Package

1 MT BIG BAG or available in bulk



