

MIBARI

(Barite)

MIBARI is Micronized Barite weight material, used to increase the density of drilling fluids.

This high-specific-gravity mineral is the most widely used weight material, has application in all drilling fluid systems and meets all API specifications for barite. Micronized material results in less sagging of solids from the drilling fluids and cause less rheology of the drilling fluids.

MIBARI can be used to increase the density of any mud system. Mud weights up to 20 lb/gal (2.40 SG) can be achieved in most drilling fluids while still maintaining good flow properties. MIBARI is also excellent in formulating special kill fluids and barite plugs that often reach 22 lb/gal (2.64 SG) for well control procedures.

Typical Physical Properties

Physical appearance: Powder, various light colours; grey, pink, tan

Specific gravity: 4.30-4.50 g/cm³, min.

Soluble hardness (as calcium): 250 mg/kg, max.

Particles size distribution:

Mibari 02-98/98 – D10 – 0.8 micron; D50 – 2 microns; D98 – 8 microns

Mibari 03-98/96 – D10 – 0.9 micron; D50 – 3 microns; D98 – 14 microns

Mibari 05-98/96 – D10 – 1 micron; D50 – 5 microns; D98 – 20 microns

Application

The amount of MIBARI required to increase the density using same formulas as weighting with Barite.

Additional wetting agents will be required while adding product to OBM and SBM

Advantages

- Minimum viscosity increase
- Low sag potential
- Essentially chemically inert and insoluble — functions only in a physical manner.
- Does not react with other drilling fluid additives or interfere with their function.
- Minimally abrasive.

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Toxicity and Handling

Bioassay information is available upon request.

Handle as an industrial chemical, wearing protective equipment and observing the precautions described in the Material Safety Data Sheet (MSDS).

Packaging and Storage

BARITE (M-I BAR) is packaged in 100 lb multi-wall, paper sacks; 1000 kg, 1500 kg big bags and is available in bulk.

BARITE (M-I Bar) should be kept as dry as possible

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