

Product Description

MICA is a group of sheet silicates characterized by a platy appearance used as a lost circulation material (LCM) and is available in three different sizes, fine, medium, and coarse. **MICA** is classified as a flakes type of LCM

Application Areas

- **MICA** is inert and can be used both in water and oil based drilling fluid with no negative effect on drilling fluid properties.
- The fine grade of **MICA** can be circulated through a 20 mesh screen. Larger grades will be removed from the system unless the solids control equipment is by passed

Advantages

- Can be used in both water and oil base muds to seal seepage and lost circulation zones.
- The range of particle sizes in **MICA** is capable of bridging fractures and depositing fine solids into the tip of a fracture to stop the fracture propagation. The small particle size of fine **MICA** also helps reduce seepage losses in none fractured zones

Properties

- **Appearance**.....Free-flowing flakes
- **Color**.....Silver to gold colored
- **Specific Gravity**2.7

Recommended Treatment

- MICA** treatment levels are depend upon the application.
- If **MICA** (F) is to be re-circulated 5.0–10.0 lb./bbl is added.
 - The coarser grades are often used in conjunction with fibrous and granular loss circulation
 - **MICA** is mixed through the mud hopper.
 - **MICA** Pills can have concentrations between 15 and 40 ppb of **MICA** depending on the nature of the loss zone. Seepage may be controlled by maintaining a concentration of 4-8 ppb

Packing

MICA is packaged in 25 kg. multiwall sack

Safe Handling

Utilize normal precautions for employee protection when handling chemical products. Use of appropriate respirator, gloves, goggles, and apron is recommended for employee comfort and protection. See Material Safety Data Sheet (MSDS) for this product prior to use.