



Technical Data Sheet

MICA (F,M,C)

Product Description

MICA is essentially naturally Occurring Muscovite Mica flakes seized in Fine Medium and Coarse grades essentially used in the Loss Circulation applications during Drilling Operations. It is ground and screened to provide an optimum particle size for all types of lost circulation, including seepage and more severe losses.

Applications/Usage: **MICA** can be used in water-based and oil based oil-well drillings operations as an Additive mud chemical to prevent loss of circulation and seepage. Mica is specially added to Seal-off the lost circulation zones. The platy structure of mica facilitates the overlapping of Particles to form a layer or wall and acts as a sealant that bridges the openings. The use of **Mica** helps to seal porous formations and contributes to regain circulation keeping the solids in suspension.

Treatments: Pretreatment using 1 -2 lb/bbl of **MICA** is an excellent procedure when drilling loss or seepage zones. For more severe losses 5–10 lb/bbl are required.

KEY BENEFITS

- **Effective low cost LCM.**
- **Does not adversely affect the properties of OBM or WBM systems.**
- **Generally inert material with no reactions to hydrocarbons, acids, or brines.**

Key Properties

Color	Dark brown
Physical Form	Cellulose Fiber
Sg	1.2
Bulk Density	18-24 lbs/ft3