



Magma Fiber®

Acid Soluble Loss of Circulation Material

Description

Magma Fiber® acid-soluble loss of circulation material is a specially-formulated, extrusion-spun mineral fiber, which when sheared and dispersed within the base fluid creates a lattice network of fibers across encountered zones of permeability and porosity to reduce whole loss of fluid to the formation. Magma Fiber loss of circulation material is an inert, non-ionic and non-damaging LCM/Sweep material compatible with fresh water, salt water, oil-based muds and emulsions, and in completion/work over fluids.

Applications/Functions

The use of Magma Fiber acid soluble loss of circulation material promotes or assists with the following:

- Water based drilling fluids
- Oil based drilling fluids
- Completion fluids
- Cement additive
- Sweep material

Advantages

- NSF/ANSI Standard 60 Certified
- Acid soluble
- Compatible with all drilling and completion fluids
- Temperature stable
- Inert & Non-damaging
- Non-Fermenting and Non-Corrosive
- Nodulized structure and surfactant coated for easy mixing

Typical Properties

Appearance	White-Gray/Tan Fiber 1.038
Specific gravity	2.6
pH in water	7.0 – 8.0

Recommended Treatment

Lbs/bbl*	Lbs/100 gal	Kg/m ³
2.0 – 30.0	5.0 – 70.0	6.0 – 84.0

**Recommended
Treatment
(continued)**

Notes:

- **Magma Fiber acid soluble loss of circulation material can be added directly through the hopper. The nodulized nature of the material makes it pourable. The material is loosely packed in the bags and will be somewhat compressed from being transported and palletized.**
- **It is important to make sure that the throat of the mud hopper is clean and not partially blocked. If the area around and under the butterfly valve is caked with drilling fluid additives it can significantly slow the mixing of the Magma Fiber material.**
- **Magma Fiber acid soluble loss of circulation material can also be mixed by dumping and gunning the material into the surface of the mud pits. Magma Fiber material has a specific gravity of 2.6, but it will have a tendency to float on the surface due to its fibrous nature until it is wetted. If the product is mixed at the mud pits, a gun line will be needed to wash it into the surface. Recirculation mixing will be required to facilitate effective and uniform dispersion of the product throughout the base fluid.**
- **The above are generalized concentrations of Magma Fiber material to be added to water-based drilling fluids. The ultimate usage concentration will be based on local geology, application and mixing efficiency. In the event that further information is needed please contact your local Baroid IDP representative.**

Packaging

Magma Fiber acid soluble loss of circulation material Regular is packaged in 30-lb (13.6-kg) bags and palletized at 32 bags per pallet. Magma Fiber acid soluble loss of circulation material Fine is packaged in 25-lb (11.4-kg) bags and palletized at 48 bags per pallet.

Availability

Magma Fiber acid soluble loss of circulation material can be purchased through any Baroid Industrial Drilling Products Retailer. To locate the Baroid IDP retailer nearest you contact the Customer Service Department in Houston or your area IDP Sales Representative.

**Baroid Industrial Drilling Products
Product Service Line, Halliburton
3000 N. Sam Houston Pkwy. E.
Houston, TX 77032**

Customer Service	(800) 735-6075 Toll Free	(281) 871-4612
Technical Service	(877) 379-7412 Toll Free	(281) 871-4613