



Drilling Fluids, Inc.

**Lost Circulation Material**

## **MAGMA FIBER**

**Description**

MAGMA FIBER is an acid soluble lost circulation material (LCM). MAGMA FIBER is a specially formulated, extrusion spun mineral fiber. This coarse, long flexible fiber will give increased circulation by bridging and plugging of voids, fractures, and all types of permeable formations.

**Uses**

MAGMA FIBER is used to block formations that will later be used as production or injection zones. For use in zones that can be safely acidized.

**Benefits**

MAGMA FIBER works with both oil and water based mud systems. It is more than 96% soluble in 7.5-15% hydrochloric acid solution thus minimizing permanent plugging of the producing formation.

**Treatment**

MAGMA FIBER can be used in concentrations of up to 30+ pounds per barrel in slug treatments or as an additive to the entire system. MAGMA FIBER has been used in concentrations of 1/2 bag every 30 minutes for ongoing seepage, to concentrations of 5-15 pounds per barrel for seepage or total losses. The shaker screen needs to be watched when the slug comes around to clean or bypass the shaker screen. MAGMA FIBER should be mixed through the hopper or can be added directly to the mud when sufficient agitation is present.

**Function**

MAGMA FIBER acts to block fractures and permeable formations by bridging across pore throats.

**Typical Physical Properties**

Physical appearance.....White/Grey Fiber  
Specific Gravity..... 2.6



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**Safe Handling  
Recommendations**

**Packaging**

## **MAGMA FIBER (Continued)**

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.

Magma Fiber is packaged in 30 pound sacks.