



SAFETY DATA SHEET

Trade name: Master Fiber Seal®

Revised: 5/29/2015

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Trade name: Master Fiber Seal®

Supplied by: Mud Masters Group, Inc.
4071 Woodland Hwy
New Orleans, LA 70131

Telephone: (432) 687-1171

Emergency: CHEMTREC 1-800-424-9300

Intended use: Drilling fluid additive – lost circulation

SECTION 2: Hazards identification

Emergency overview

Physical state: powder

Color: white - tan

Odor: none - slight

EMERGENCY OVERVIEW:

WARNING! Dust in high concentrations may form explosive dust/air mixtures. When pneumatically blown, equipment must be properly grounded.

MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION. Avoid contact with eyes, skin and clothing. Avoid breathing airborne particulates. Keep container closed. Use with adequate ventilation. Wash thoroughly after handling. Slippery when wet. Dike and contain spills. Keep out of sewers and waterways. No significant immediate hazards for emergency response personnel are known.



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HEALTH HAZARDS, GENERAL:

ACUTE EFFECTS:

Particulates may cause mechanical irritation to the eyes, nose, throat and lungs.

INHALATION: May be irritating to the respiratory tract if inhaled.

INGESTION: May cause gastric distress if ingested.

SKIN: May be irritating to the skin.

EYES: May be irritating to the eyes.

CHRONIC EFFECTS:

CARCINOGENICITY: IARC: Not listed. OSHA: Not regulated. NTP: Not listed.

ROUTE OF ENTRY: Inhalation. Skin and/or eye contact.

TARGET ORGANS: Respiratory system, lungs. Skin. Eyes.

SECTION 3: Composition/information on ingredients

Hazardous components Component	CAS-No.	EC-No.	Classification	Concentration
Cellulose-153	Proprietary	Proprietary	Proprietary	Proprietary
Cellulose-151	Proprietary	Proprietary	Proprietary	Proprietary

*The exact percentage concentration of the composition has been withheld as proprietary.

SECTION 4: First aid measures

Description of first aid measures

General Advice: Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact: Wash off with soap and plenty of water. Consult a physician.

In case of eye contact: Flush eyes with water as a precaution.

If swallowed: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

**Most important symptoms,
both acute and delayed:**

The most important known symptoms and effects are described in section 2 and section 11.

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SECTION 5: Fire-fighting measures

Extinguishing media

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture: Autoignition Temperature: 450° F (232° C). Carbon oxides.
Advice for firefighters: Wear self-contained breathing apparatus for firefighting if necessary.

Unusual Fire & Explosion Hazards: Cellulose dust explosibility: (*Kst dry = >200 and >300 bar m/s). Caution should be taken in the processing, shipping, handling and use of these materials, particularly if they are in a dry state and dust is produced. Reference NFPA standards 654, 69 and the NFPA Fire Protection Handbook for guidance.

Further information: Kst the maximum rate of pressure rise is used to calculate the Kst value; an internationally recognized index used to classify dust explosibility.

SECTION 6: Accidental release measures

Personal precautions, Protective equipment, and emergency procedures: Use personal protective equipment. Avoid dust formation. Avoid breathing dust. For personal protection see section 8.

Environmental precautions: Do not let product enter drains.

Methods and materials for containment and cleaning up: Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

Reference to other sections: For disposal see section 13.

SECTION 7: Handling & storage

Precautions for safe handling: Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs. Provide

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appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.

Condition for safe storage, including any incompatibilities:

Keep container tightly closed in a dry and well-ventilated place.

Specific end use(s):

Apart from the uses mentioned in section 1, no other specific uses are "stipulated."

SECTION 8: Exposure controls/personal protection

Exposure Limits/Guidelines:

Component	CAS-No.	Value	Control parameters	Basis
Cellulose-151	Proprietary	OSHA PEL-TWA	15 mg/m ³	Total Dust; (Particulate Not Otherwise Regulated)
		OSHA PEL-TWA	15 mg/m ³	Respirable Dust (Particulate Not Otherwise Regulated)
		ACGIH TLV-TWA	10 mg/m ³	Cellulose
Cellulose-153	Proprietary	TWA	10 mg/m ³	
		PEL	5 mg/m ³ 15 mg/m ³	Respirable fraction. Total dust.
		TWA	15 mg/m ³ 15 mg/m ³ 5 mg/m ³	Total dust. Respirable fraction.

Appropriate engineering controls:

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of the workday.

Personal Protective Equipment

Eye/Face Protection:

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection:

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves

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Body protection: after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and the specific work-place. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection: Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure: Do not let product enter drains.

SECTION 9: Physical and chemical properties

APPEARANCE: powder
Color: White – tan
Odor: No to slight
PH: 5.0-9.0
Flammability: (solid, gas) Carbon monoxide and carbon dioxide may form on combustion
Water solubility: insoluble

SECTION 10: Stability and reactivity

STABILITY: Normally stable.
CONDITIONS TO AVOID: Avoid heat.
HAZARDOUS POLYMERIZATION: Will not polymerize.
MATERIALS TO AVOID: Strong oxidizing agents.

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SECTION 11: Toxicological information

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

SECTION 12: Ecological information

Ecotoxicity: Not known to be harmful to aquatic organisms.

SECTION 13: Disposal considerations

Waste treatment methods

Product:

Offer surplus and non-recyclable solution to a licensed disposal company.

Contaminated packaging:

Dispose of as unused product.

SECTION 14: Transport information

DOT Not regulated.

TDG Not regulated.

IATA Not regulated.

IMDG Not regulated.

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SECTION 15: Regulatory information

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (DeMinimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

No SARA Hazards

Massachusetts Right to Know Components

Does not apply

Pennsylvania Right to Know Components

Does not apply

New Jersey Right to Know Components

Does not apply

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16: Other information

	Health Hazard	Fire Hazard	Instability	Special Hazard
NFPA	0	2	0	None

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe

	Health Hazard	Flammability	Physical Hazard	Personal Protection
HMIS	0	2	0	See section 8 above

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe

DISCLAIMER:

Although the information and recommendations set forth herein (hereinafter "Information") are

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presented in good faith and believed to be correct as of the date hereof, the Company makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving this SDS will make their own determination as to its suitability for their intended purpose prior to use. Since the product is within the exclusive control of the user, it is the user's obligation to determine the conditions of safe use of this product. Such conditions should comply with all Federal Regulations concerning the Product.