



MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name MAGMA-FIBER - FINE
Version # 03
Revision date 19-December-2008
Chemical name Man-Made Mineral Fiber
Chemical description Fabric/Mat
CAS # Mixture
Supplier Drilling Mud Direct, LLC
8 Inverness Drive East, Suite 245
Englewood, CO 80112
Phone: (720) 489-0300

2. Hazards Identification

OSHA regulatory status This product is considered not hazardous under 29 CFR 1910.1200 (Hazard Communication).

Potential health effects

Eyes Dust or powder may irritate eye tissue.
Skin Prolonged and/or repeated skin contact may result in mild irritation or redness. No components in this product are known to be absorbed through the skin.
Inhalation Inhalation of dusts may cause respiratory irritation.
Ingestion No significant adverse effects are expected upon ingestion of the product.

3. Composition / Information on Ingredients

Components	CAS #	Percent
GLASS, OXIDE	65997-17-3	90 - 100
Non-hazardous and other components below reportable levels		> 0.1

4. First Aid Measures

First aid procedures

Eye contact Immediately flush eyes with plenty of water for at least 20 minutes. If irritation persists get medical attention.
Skin contact Wash affected area with mild soap and water. Get medical attention if irritation develops or persists.
Inhalation If exposed to excessive levels of dusts or fumes, remove to fresh air and get medical attention if cough or other symptoms develop.
Ingestion No need for first aid is anticipated if material is swallowed.

Notes to physician Provide general supportive measures and treat symptomatically.

5. Fire Fighting Measures

Flammable properties None known.
Extinguishing media
Suitable extinguishing media Dry chemical, CO₂, water spray or regular foam. Use any media suitable for the surrounding fires.
Hazardous combustion products None known.

6. Accidental Release Measures

Environmental precautions No special environmental precautions required.

Methods for containment None necessary.
Methods for cleaning up Vacuum or sweep up material and place in a disposal container. Avoid the generation of dusts during clean-up. Reduce airborne dust and prevent scattering by moistening with water.

7. Handling and Storage

Handling Keep formation of airborne dusts to a minimum. Avoid breathing dusts from this material. Provide appropriate exhaust ventilation at places where dust is formed. Do not get this material in your eyes, on your skin, or on your clothing.

Storage Guard against dust accumulation of this material. Keep in a dry, cool and well-ventilated place.

8. Exposure Controls / Personal Protection

Engineering controls Good general ventilation should be sufficient to control airborne levels. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

Personal protective equipment

Eye / face protection Wear safety glasses with side shields.

Skin protection Normal work clothing (long sleeved shirts and long pants) is recommended.

Respiratory protection Use a particulate filter respirator for particulate concentrations exceeding the Occupational Exposure Limit.

General hygiene considerations Use good industrial hygiene practices in handling this material. Wash hands before breaks and immediately after handling the product. Keep working clothes separately.

9. Physical & Chemical Properties

Appearance Fibers.
Color White to tan.
Odor Slight.
Odor threshold Not available.
Physical state Solid.
Form Not available.
pH Not available.
Melting point 2102 °F (1150 °C)
Freezing point Not available.
Boiling point Not available.
Flash point Not available.
Evaporation rate Not available.
Flammability Not available.
Flammability limits in air, upper, % by volume Not available.
Flammability limits in air, lower, % by volume Not available.
Vapor pressure Not available.
Vapor density Not available.
Specific gravity 2.6
Relative density Not available.
Solubility (water) Insoluble
Partition coefficient (n-octanol/water) Not available.
Auto-ignition temperature Not available.
Decomposition temperature Not available.
VOC 0 % estimated
Percent volatile 0 % estimated

10. Chemical Stability & Reactivity Information

Chemical stability Stable at normal conditions. No hazards to be especially mentioned.

Conditions to avoid	None known.
Incompatible materials	This product reacts with acids.
Hazardous decomposition products	Thermal decomposition can lead to release of irritating gases and vapors.
Possibility of hazardous reactions	Will not occur.

11. Toxicological Information

Not available.

12. Ecological Information

Ecotoxicity	No data available for this product. This material is not expected to be harmful to aquatic life.
Environmental effects	No data available for this product. Based on the physical properties of this product, significant environmental persistence and bioaccumulation would not be expected.
Persistence and degradability	Not available.

13. Disposal Considerations

Disposal instructions	Dispose in accordance with all applicable regulations.
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14. Transport Information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

15. Regulatory Information

US federal regulations	OSHA Process Safety Standard: This material is not known to be hazardous by the OSHA Highly Hazardous Process Safety Standard, 29 CFR 1910.119.
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CERCLA (Superfund) reportable quantity

None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories	Immediate Hazard - No Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No
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Section 302 extremely hazardous substance	No
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Section 311 hazardous chemical	No
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Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of New and Existing Chemicals (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No

Country(s) or region

United States & Puerto Rico

Inventory name

Toxic Substances Control Act (TSCA) Inventory

On inventory (yes/no)*

Yes

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

State regulations

WARNING: This product contains a chemical known to the State of California to cause cancer.

16. Other Information**Further information**

This safety datasheet only contains information relating to safety and does not replace any product information or product specification.

HMIS ratings

/ 0
0
0

NFPA ratings

Health: 0
Flammability: 0
Instability: 0

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The manufacturer expressly does not make any representations, warranties, or guarantees as to its accuracy, reliability or completeness nor assumes any liability, for its use. It is the user's responsibility to verify the suitability and completeness of such information for each particular use.

Third party materials: Insofar as materials not manufactured or supplied by this manufacturer are used in conjunction with, or instead of this product, it is the responsibility of the customer to obtain, from the manufacturer or supplier, all technical data and other properties relating to these and other materials and to obtain all necessary information relating to them. No liability can be accepted in respect of the use of this product in conjunction with materials from another supplier.

Issue date

19-December-2008