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

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS #</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>GLASS, OXIDE</td>
<td>65997-17-3</td>
<td>90 - 100</td>
</tr>
</tbody>
</table>

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.

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.

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

Section 302 extremely hazardous substance
No

Section 311 hazardous chemical
No

Inventory status

<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory name</th>
<th>On inventory (yes/no)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia</td>
<td>Australian Inventory of Chemical Substances (AICS)</td>
<td>No</td>
</tr>
<tr>
<td>Canada</td>
<td>Domestic Substances List (DSL)</td>
<td>Yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Non-Domestic Substances List (NDSL)</td>
<td>No</td>
</tr>
<tr>
<td>China</td>
<td>Inventory of Existing Chemical Substances in China (IECSC)</td>
<td>No</td>
</tr>
<tr>
<td>Europe</td>
<td>European Inventory of New and Existing Chemicals (EINECS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Europe</td>
<td>European List of Notified Chemical Substances (ELINCS)</td>
<td>No</td>
</tr>
<tr>
<td>Japan</td>
<td>Inventory of Existing and New Chemical Substances (ENCS)</td>
<td>No</td>
</tr>
<tr>
<td>Korea</td>
<td>Existing Chemicals List (ECL)</td>
<td>No</td>
</tr>
<tr>
<td>New Zealand</td>
<td>New Zealand Inventory</td>
<td>No</td>
</tr>
<tr>
<td>Philippines</td>
<td>Philippine Inventory of Chemicals and Chemical Substances (PICCS)</td>
<td>No</td>
</tr>
<tr>
<td>Country(s) or region</td>
<td>Inventory name</td>
<td>On inventory (yes/no)*</td>
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<tr>
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<td>-----------------------------------------------------</td>
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</tr>
<tr>
<td>United States &amp; Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
<td>Yes</td>
</tr>
</tbody>
</table>

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**

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**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