Material Safety Data Sheet

Waterbase Mud

I. PRODUCT AND COMPANY IDENTIFICATION

<table>
<thead>
<tr>
<th>Product Name:</th>
<th>Waterbase Mud</th>
<th>Date Revised:</th>
<th>7/2010</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical Name:</td>
<td></td>
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<tr>
<td>Chemical Family:</td>
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<tr>
<td>Chemical Formula:</td>
<td>Barite, Lignite, Sodium Hydroxide, &amp; Bentonite Colloidal Clay</td>
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<tr>
<td>Synonyms:</td>
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<td>NFPA Properties: Health:</td>
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<td>Flammability:</td>
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<tr>
<td>Reactivity:</td>
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<tr>
<td>Contact:</td>
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</tbody>
</table>

Supplier:

NOV FluidControl
4310 N Sam Houston Parkway East
Houston, Texas 77032 USA
Office: (713) 482-0500
Fax: (713) 482-0695
Company website: www.nov.com

Emergency Telephone Number:
CHEMTREC: 1-800-424-9300 or International +1-703-527-3887

II. HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

<table>
<thead>
<tr>
<th>Hazardous Components</th>
<th>TLV’s (ACGIH)</th>
<th>OTHER</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>TWAPPM</td>
<td>TWA MG/M³</td>
</tr>
<tr>
<td>Sodium Hydroxide</td>
<td>&lt;1%</td>
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</table>

III. PHYSICAL/CHEMICAL CHARACTERISTICS

- Boiling Point °F: N/A
- Specific Gravity: 1.69
- Vapor Pressure: N/A
- Percent Volatility: Varies
- Vapor Density: N/A
- Evaporation Rate: Varies
- Solubility In Water: N/A
- Melting Point °F: N/A
- Color: Deep brown
- Odor: Almost odorless
- Appearance: Liquid
- pH: Varies
- Viscosity: Varies
- Activity:

LC50:
LD50:
Waterbase Mud

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IV. FIRE & EXPLOSION HAZARD DATA

Extinguishing Agents: Water.

Flash Point: N/A

Flammable Limits: LEL: N/A UEL: N/A

Special Fire fighting Procedures: Normal firefighting procedures

Unusual Fire & Explosion Hazards: N/A

V. HEALTH HAZARD DATA

Routes of Entry: Inhalation: Skin: Ingestion:

Effects of Overexposure: Can cause skin and mucus irritation

Toxicological Properties:

Chronic & Acute Effects of Overexposure:

Carcinogenicity: NTP: IARC Monographs: OSHA Regulated:

Emergency First Aid Procedures:

Eyes: Flush eyes with running water. If irritation or adverse symptoms develop, seek medical attention.

Skin Contact: Wash skin with soap and water. If irritation or adverse symptoms develop, seek medical attention.

Inhalation: Remove from exposure. If illness or adverse symptoms develop, seek medical attention.

Ingestion: Do not induce vomiting. If illness or adverse symptoms develop, seek medical attention.

VI. REACTIVITY DATA

Stability: Stable Hazardous Polymerization: Will not occur

Hazardous Decomposition Products: N/A

Conditions To Avoid:

Incompatibility and Materials to Avoid: None
VII. SPILL & DISPOSAL PROCEDURES

Steps To Be Taken in Case Material is Released or Spilled --- Procedures of clean up: Shut off ignition source. Stop leak if possible. Absorb with inert material such as sand, soil, or vermiculite. Sweep up and dispose of in accordance with Federal, State, and Local Regulation.

Waste Disposal Method: Insure conformity with all Applicable Disposal Regulation.

Precautions To Be Taken In Handling & Storage: Wear approved respirator if necessary

VIII. PROTECTIVE EQUIPMENT

Ventilation Type Required: Use adequate ventilation to control concentration below recommended exposure limits.

Protective Gloves: Gloves impervious to material.

Eye Protection: Safety glasses, goggles, and face shield. Eye wash station nearby. Other Protective Equipment: Respirators not generally required unless needed to prevent respiratory irritation. Use NIOSH approved respirator.

Comments: Personal protection information shown is based upon general information as to normal uses and conditions. Where special or unusual conditions exist, it is suggested that an expert of industrial hygienist or other qualified personnel be sought.

IX. COMMENTS INFORMATION

US DOT Proper Shipping Name:
US DOT Hazard Class: DOT ID Number:
ID Number: Freight Classification:
Unregulated By DOT: Regulated by DOT:
Special Transportation Note:
Labels Required:

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For further information contact:

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