**Material Safety Data Sheet**

**Barite**

I. PRODUCT AND COMPANY IDENTIFICATION

<table>
<thead>
<tr>
<th>Chemical Name:</th>
<th>BARIUM SULFATE</th>
<th>Revised: 7/2010</th>
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<tbody>
<tr>
<td>Chemical Family:</td>
<td>SULFATE</td>
<td>CAS#: 7727-43-7</td>
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<tr>
<td>Chemical Formula:</td>
<td>BaO$_4$S</td>
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<tr>
<td>Synonyms:</td>
<td>BARITE, BAR</td>
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</table>

**NFPA Properties:**

- Health: 1
- Flammability: 0
- Reactivity: 0
- Contact: 0

**Supplier:**

NOV FluidControl
4310 N. Sam Houston Parkway E
Houston, TX 77032
Office: (713) 482-0500
Fax: (713) 482-0695
Company website: [www.nov.com](http://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>TWAPPM</th>
<th>TWA MG/M$^3$</th>
<th>STEL PPM</th>
<th>STEL MG/M$^3$</th>
<th>CAS#</th>
<th>OTHER LIMITS</th>
</tr>
</thead>
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<tr>
<td>%</td>
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<td>1.</td>
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</table>

III. PHYSICAL/CHEMICAL CHARACTERISTICS

- Boiling Point °F: N/A
- Color: WHITE
- Specific Gravity: 4.25
- Odor: NONE
- Vapor Pressure: N/A
- Appearance: POWDER
- Percent Volatility: 0
- pH:
- Vapor Density: N/A
- Viscosity: N/A
- Evaporation Rate: N/A
- Activity: N/A
- Solubility in Water: NEGLIGIBLE (LESS THAN 1%)
- LC50: NDA
- Melting Point °F: 2876F
- LD50: NDA
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IV. FIRE & EXPLOSION HAZARD DATA

Extinguishing Agents: FOAMS, POWDERS, WATER OR OTHER CONVENTIONAL MEANS
Flash Point °F:  
Flammable Limits: N/A LEL: .6 UEL: .8
Special Firefighting Procedures: FIREFIGHTERS SHOULD WEAR PROPER PROTECTIVE EQUIPMENT AND SELF-CONTAINED (POSITIVE PRESSURE IF AVAILABLE) BREATHING APPARATUS WITH FULL FACEPIECE. MOVE EXPOSED CONTAINERS FROM FIRE AREA IF IT CAN BE DONE WITHOUT RISK.
Unusual Fire & Explosion Hazards: NONE
Toxic Gases Produced: SULFUR DIOXIDE

V. HEALTH HAZARD DATA

Routes of Entry: Inhalation: Skin: Ingestion:

Effects of Overexposure: DUST MAY IRRITATE EYES

Toxicological Properties: NDA

Chronic & Acute Effects of Overexposure:

Carcinogenicity: NTP: NO IARC Monographs: NO OSHA Regulated: NO

Emergency First Aid Procedures

Eyes: IMMEDIATELY FLUSH WITH LARGE QUANTITIES OF WATER FOR AT LEAST 15 MINUTES AND CALL A PHYSICIAN.

Skin Contact: FLUSH WITH LARGE AMOUNTS OF SOAP & WATER FOR 15 MINUTES.

Inhalation: REMOVE TO FRESH AIR, IF BREATHING IS DIFFICULT, GIVE OXYGEN AND CALL A PHYSICIAN.

Ingestion: GIVE COPIOUS AMOUNTS OF WATER AND CALL A PHYSICIAN.

VI. REACTIVITY DATA

Stability: STABLE

Hazardous Polymerization: WILL NOT OCCUR

Hazardous Decomposition Products: OXIDES OF SULFUR

Conditions To Avoid: NDA

Incompatibility and Materials to Avoid: ALUMINUM, PHOSPHORUS
Barite

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VII. SPILL & DISPOSAL PROCEDURES

Steps To Be Taken in Case Material is Released or Spilled
--- Procedures For Clean – Up: WEAR SUITABLE PROTECTIVE CLOTHING. SHUT OFF IGNITION SOURCES; NO FLARES, SMOKING, OR FLAMES IN AREA. WITH CLEAN SHOVEL, CAREFULLY PLACE MATERIAL INTO CLEAN, DRY CONTAINER AND COVER; REMOVE FROM AREA. FLUSH SPILL AREA WITH WATER.

Waste Disposal Method: DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS.

Precautions To Be Taken In Handling & Storage: SUITABLE FOR ANY GENERAL CHEMICAL STORAGE AREA.

VIII. PROTECTIVE EQUIPMENT

Ventilation Type Required: MECHANICAL
Protective Gloves: RUBBER OR PLASTIC
Respiratory Protection: USE NIOSH/OSHA APPROVED RESPIRATOR WITH ORGANIC VAPOR CARTRIDGE IF VAPOR CONCENTRATION EXCEEDS PERMISSIBLE EXPOSURE LIMIT.
Other Protective Equipment:
Comments:

IX. REGULATORY & TRANSPORTATION INFORMATION

US DOT Proper Shipping Name: “OIL – WELL TREATING COMPOUND”
US DOT Hazard Class: NON-HAZARDOUS
ID Number: DOT ID Number:
Unregulated By DOT: Freight Classification:
Special Transportation Note: Regulated by DOT: NO
Labels Required: NO

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For further information contact:

NOV FluidControl
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