

# Material Safety Data Sheet

## Barite

### I. PRODUCT AND COMPANY IDENTIFICATION

Chemical Name: BARIUM SULFATE Revised: 7/2010  
Chemical Family: SULFATE CAS#: 7727-43-7  
Chemical Formula: BaO<sub>4</sub>S

Synonyms: BARITE, BAR

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

Hazardous Components %	TWAPPM	TWA MG/M <sup>3</sup>	STEL PPM	STEL MG/M <sup>3</sup>	OTHER	
					CAS#	LIMITS
1.						
2.						
3.						

### 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

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**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

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**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

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**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****Material Safety Data Sheet****VII. SPILL & DISPOSAL PROCEDURES**

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**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**

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**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**

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US DOT Proper Shipping Name: "OIL – WELL TREATING COMPOUND"

US DOT Hazard Class: NON-HAZARDOUS

ID Number:

Unregulated By DOT:

Special Transportation Note:

Labels Required: NO

DOT ID Number:

Freight Classification:

Regulated by DOT: NO

**DISCLAIMER:**

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