

BHS Marketing

Western Briquette

MATERIAL SAFETY DATA SHEET

Barite

Date: June 25, 2001

I Company Identification

Company Name: BHS Marketing / Western Briquette
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II Product Identification

Product Name:	Barite, Barium Sulfate	
Ingredient:	Cas Number:	Contents:
Silica, crystalline, quartz	14808-60-7	4-6%
Barite	7727-43-7	91-93%
Mica	12001-26-2	1-5%

III Typical Physical Properties

Physical Appearance: This product is a/an transparent tan to gray powder.
Slippery when wet. A nuisance dust

Odor: odorless or no characteristic odor

Solubility in Water: Insoluble in water

Melting/Freezing Point: 2876

Specific Gravity: 4.20-4.25 Temperature: 68

Bulk Density: 107-135 lb/cu ft; 1714-2163 kg/m³

IV Reactivity Data

Chemical Stability: Normally stable

Hazardous

Polymerization: Will not polymerize

01/MI

V Toxicological Information

Acute Aquatic Toxicity:	This product passes the mysid shrimp toxicity test required by the U.S. Environmental Protection Agency (EPA) Region VI (Gulf of Mexico) NPDES Permit, which regulates offshore discharge of drilling fluids, when tested in a standard drilling fluid
Carcinogenicity:	IARC: not listed. OSHA: not regulated. NTP: not listed ATTENTION! CANCER HAZARD CONTAINS CRYSTALLINE SILICA WHICH CAN CAUSE CANCER! Risk of cancer depends on duration and level of exposure. IARC Monographs, Vol 68, 1997, concludes that there is sufficient evidence that inhaled crystalline silica in the form of quartz or cristobalite from occupational sources causes cancer in humans. IARC classification Group I
Route of Entry:	Inhalation, skin and/or eye contact
Target Organs:	Respiratory system, lungs. Skin, eyes

VI Hazard Data

Emergency Overview:	CAUTION! MAY CAUSE EYE, SKIN AND RESPIARTORY TRACT IRRITATION. Avoid contact with eyes and clothing. Avoid breathing airborne product. Keep container closed. Use adequate ventilation. Wash thoroughly after handling
Acute General:	Particulates may cause mechanical irritation to the eyes, nose, throat and lungs. Particulate inhalation may lead to pulmonary fibrosis, chronic bronchitis, emphysema and bronchial asthma. Dermatitis and asthma may result from short contact periods
Eye Contact:	May be irritating to the eyes
Skin Contact:	May be irritating to the skin
Ingestion:	May cause gastric distress, nausea and vomiting if ingested
Inhalation:	May be irritating to the respiratory tract if inhaled

VII Recommended First Aid Measures

General:	Persons seeking medical attention should carry a copy of this MSDS with them
Eye Exposure:	Promptly wash eyes with lots of water while lifting the eyelids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues
Skin Exposure:	Wash skin thoroughly with soap and water. Remove contaminated clothing. Get medical attention if any discomfort continues
Inhalation Exposure:	Move the exposed person to fresh air at once. Perform artificial respiration if breathing has stopped. Get medical attention
Ingestion Exposure:	Drink a couple of glasses of water or milk. Do not give victim anything to drink if he is unconscious. Get medical attention

VIII Fire Fighting Measures

Extinguishing Media:	This material is not combustible. Use extinguishing media appropriate for surrounding fire
Special Firefighting Procedures:	No specific fire fighting procedures given
Unusual Fire and Explosion Hazards:	No unusual fire or explosion hazards noted

IX Accidental Release Measures

Evacuation Procedure & Safety:	Wear proper personal protective equipment
Waste Disposal:	This product does not meet the criteria of a hazardous waste if discarded in its purchased form. Under RCRA, it is the responsibility of the user of the product to determine at the time of disposal, whether the product meets RCRA criteria for hazardous waste. This is because product uses, transformations, mixtures, processes, etc., may render the resulting materials hazardous. Recover and reclaim or recycle, if practical. Should this product become a waste, dispose of in a permitted industrial landfill. Ensure that containers are empty by RCRA criteria prior to disposal in a permitted industrial landfill

IX Accidental Release Measures-Continued

Clean up &
Disposal of Spills: Avoid generating and spreading of dust. Shovel into dry containers. Cover and move the containers. Flush the area with water. Do not contaminate drainage or waterways. Repackage or recycle if possible

X Handling & Storage

Handling: Avoid handling causing generation of dust. Wear full protective clothing for prolonged exposure and/or high concentrations. Eye wash and emergency shower must be available at the workplace. Wash hands often and change clothing when needed. Provide good ventilation. Mechanical ventilation or local exhaust ventilation is required

Storage: Store at moderate temperatures in dry, well-ventilated areas. Keep in original container

XI Exposure Controls/ Personal Protection

Ingredient Name:	CAS Number:	OSHA PEL: TWA	ACGIH TLV: STEL	UNITS: TWA
STEL: Silica, crystalline, quartz mg/m ³	14808-60-7			0.1
resp.dust Barite mg/m ³	7727-43-7	15		10
				total dust
Mica mg/m ³	12001-26-2	20		3
				total dust

Appropriate
Hygienic Practices: As part of good industrial, personal hygiene and safety procedure, avoid all unnecessary exposure to the product and ensure prompt removal from eyes, skin and clothing. Maintain good housekeeping to control dust accumulations.

Personal Protection Equipment

Engineering Controls:	Use appropriate engineering controls such as, exhaust ventilation and process enclosure, to reduce air contamination and keep worker exposure below the applicable limits
Eye Protection:	Wear dust resistant safety goggles where there is danger of eye contact
Skin Protection:	Use suitable protective gloves if risk of skin contact. Wear protective appropriate clothing to prevent repeated or prolonged skin contact
Respiratory Protection:	Use at least a NIOSH-approved N95 half-mask disposable or reusable particulate respirator. In work environments containing oil mist/aerosol use at least a NIOSH-approved P95 half-mask disposable or reusable particulate respirator. For exposures exceeding 10 x PEL use a NIOSH-approved N100 particulate respirator
Ventilation Protection:	Supply natural or mechanical ventilation adequate to exhaust airborne product and keep exposures below the applicable limits

XII Additional Information

The information in this MSDS was obtained from sources, which we believe are reliable. However, the information is provided without any warranty, expressed or implied, regarding its correctness.

The conditions or methods of handling, storage, use and disposal are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage, or expense arising out of or in any way connected with handling, storage, use or disposal of the product.

*n/a= Not Applicable