

**1. PRODUCT IDENTIFICATION**

**PRODUCT NAME:** Barite  
**TRADE NAME:** HUBERBRITE® Products  
**MANUFACTURER'S NAME:** J.M. Huber Corporation  
Engineered Materials Division  
**STREET ADDRESS:** 3150 Gardner Expressway  
**CITY/STATE/POSTAL CODE/COUNTRY:** Quincy, Illinois 62301 USA  
**TELEPHONE NUMBER:** (217) 224-8737

**2. COMPOSITION / INFORMATION ON INGREDIENTS**

**COMMON CHEMICAL NAME:** Barite                      **SYNONYMS:** Baryte                      **CAS NUMBER:** 12427-23-5

Barite is a natural occurring mineral substance consisting primarily of barium sulfate with lesser amounts of calcium carbonate (1.0% to 4.0%) and silica (0.1% to 1.0%) together with many other ingredients in small but varying amounts. Water soluble compounds account for less than 0.1%. It should be noted that certain soluble barium salts, such as chloride and sulfide compounds are toxic by ingestion. It is not known if Huber's barite products contain these salts.

<u>COMPOUND</u>	<u>CAS NUMBER</u>	<u>TYPICAL CONCENTRATION, %</u>
Barium Sulfate	7727-43-7	97-99
Calcium Carbonate	1317-65-3	1-4
Crystalline Silica	14808-60-7	0.4

**ADDITIVES OR INGREDIENTS WHICH MAY PRESENT, AND WHICH MIGHT BE OF INDUSTRIAL HYGIENE INTEREST:**

**SILICA:** Product contains greater than 0.1% total crystalline silica. Inhalable crystalline silica fraction, unknown.

The International Agency for Research on Cancer (IARC) believes there is sufficient evidence that crystalline silica is carcinogenic to humans if it is inhaled in the form of quartz or cristobalite from occupational sources. IARC notes that carcinogenicity was not detected in all industrial circumstances studied and that the carcinogenicity of crystalline silica may be dependent on inherent characteristics of the silica, or on external factors affecting its biological activity, or on the distribution of its polymorphs (quartz, cristobalite).

Naturally occurring minerals invariably contain trace quantities of materials cited in the California Safe Drinking and Toxic Enforcement Act. Test results for these products show these substances, if present, are at concentrations of less than 6 PPM each.

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**HARWICK STANDARD**  
**DISTRIBUTION CORPORATION**  
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## 3. HAZARDS IDENTIFICATION

<u>ROUTE OF EXPOSURE</u>	<u>HAZARD DETERMINATION</u>	<u>BASIS FOR DETERMINATION</u>
SKIN CONTACT	Non-hazardous	Historical
SKIN ABSORPTION	Non-hazardous	Historical
EYE CONTACT	Nuisance Dust	Historical
INGESTION	Non-hazardous	Historical
INHALATION		

(For Total dust with UNDER 1.0% Total quartz)

Barite: TLV = 10.0 mg/cu meter of Total dust. (ACGIH)

PEL = See 29 CFR 1910.1000; Tables Z-1-A and Z-3. (OSHA)

(For Total dust with OVER 1.0% Total quartz)

Respirable quartz not to exceed TLV of 0.1 mg/cu meter in the respirable dust.

PEL = See 29 CFR 1910.1000; Tables Z-1-A and Z-3. (OSHA)

SOURCE: OSHA 29 CFR 1910.1000 TABLE Z-1-A

SOURCE: ACGIH TLV'S Threshold Limit Values for Chemical Substances

SOURCE: To the best of our knowledge, no studies have been done on eye, skin or ingestion hazards.

## 4. FIRST AID MEASURES

EYE AND SKIN: No special precautions; flush with water.

INHALATION AND INGESTION: No special precautions.

## 5. FIRE-FIGHTING MEASURES

FLASH POINT: None.

AUTOIGNITION TEMPERATURE: None.

FLAMMABLE LIMITS IN AIR: N.A.

Barite is not a fire hazard or an explosive hazard in either the powder or slurry form. Special fire fighting procedures or extinguishing media are not applicable.

## 6. ACCIDENTAL RELEASE MEASURES

PROCEDURE WHEN MATERIAL IS RELEASED OR SPILLED: Accidental releases can be cleaned up by sweeping, vacuuming, or flushing with water.

NEUTRALIZING CHEMICALS: None required.

## 7. HANDLING AND STORAGE

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:** No special precautions.

**VENTILATION:** Use sufficient general area ventilation. Local exhaust may be necessary where Threshold Limit Values (TLVs) are exceeded or dusty conditions exist.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### PERSONAL PROTECTIVE EQUIPMENT

**EYE:** Non-essential, but desirable. **OTHER:** None. **GLOVES:** Non-essential.

**RESPIRATORY PROTECTION:** For dusty conditions use a dust mask approved by NIOSH.

### PRECAUTIONARY STATEMENTS/LABELING:

PRODUCT SAFETY LABEL / ETIQUETA DE SEGURIDAD	
Health / Salud = 0 *	NO ACUTE EFFECTS / Ninguno efecto agudo
Flammability / Inflamable = 0	NONE / No
Reactivity / Reactiva = 0	NONE / No
Maximum Personal Protection / E *	DUST MASK / Mascarilla para polvo
Maxima Proteccion Personal =	* H.M.I.S. Label / H.M.I.S. Etiqueta
BARITE / BARITA (CAS #12427-23-5)	
CALCIUM CARBONATE / CARBONATO DE CALCIO (CAS #1317-65-3)	
SILICA, QUARTZ / SILICA, CUARZO (CAS #14808-60-7)	
* <b>CAUTION:</b> Prolonged breathing of excessive dust may affect lung function. This product contains small amounts of crystalline silica. Inhalable crystalline silica from occupational sources is considered a human carcinogen.	* <b>ATENCIÓN:</b> Respiración de polvo excesivo puede afectar la función pulmonar. Este producto contiene pequeñas cantidades de silicato cristalino. Inhalar silicato cristalino en el ambiente laboral es considerado como carcinógeno en los humanos. Use una mascarilla en áreas con mucho polvo.
J.M. Huber Corporation - Engineered Materials Division	
Atlanta, Georgia 30339 USA	
BHSL#1	

### 9. PHYSICAL CHEMICAL PROPERTIES

APPEARANCE AND ODOR: White powder with negligible odor.

BOILING POINT: N.A.

% VOLATILES BY VOL: N.A.

VAPOR PRESSURE: N.A.

SPECIFIC GRAVITY (WATER =1.0): 4.4

EVAPORATION RATE (BUTYL ACETATE =1): N.A.

VAPOR DENSITY: N.A.

SOLUBILITY IN WATER: Negligible

N.A. = NOT APPLICABLE

### 10. STABILITY AND REACTIVITY

CONDITIONS CONTRIBUTING TO INSTABILITY: None.

CONDITIONS CONTRIBUTING TO HAZARDOUS POLYMERIZATION: None.

HAZARDOUS DECOMPOSITION PRODUCTS: None.

### 11. TOXICOLOGICAL INFORMATION

EFFECTS OF ACUTE OVEREXPOSURE: No acute effects. Brief exposures to nuisance dust concentrations above the 8-hour recommended Threshold Limit Value (TLV) should pose no acute health problems.

EFFECTS OF CHRONIC OVEREXPOSURE: As is true with any mineral product, long term overexposure to high concentrations of this dust without the use of a dust mask may produce X-Ray evidence of dust in the lungs. Continued long term overexposure may produce a benign Pneumoconiosis, termed "Baritosis".

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Unknown.

### 12. ECOLOGICAL INFORMATION

Barite is not classified as a "toxic pollutant" or a "hazardous substance" under Sections 307 and 311 of the Clean Water Act.

### 13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: NOT a hazardous waste under RCRA Section 3001. Use normal solid waste disposal procedures which are in compliance with Federal, State, and Local Regulations.

#### 14. TRANSPORT INFORMATION

DOT: NOT RESTRICTED

#### INTERNATIONAL REGULATIONS

UN number: None.

Land transport: None.

Inland waterways: None.

Sea transport (IMDG code): None.

Air transport (IDAO/IATA): None.

#### 15. REGULATORY INFORMATION

#### STATE

Consult Local and State Hazard Communication Regulations.

#### FEDERAL

FDA: 21 CFR 175.105; 21 CFR 175.300; 21 CFR 176.170; 21 CFR 176.180; 21 CFR 177.1210;  
21 CFR 178.3297; 40 CFR 180.1001 (d) (e)

USDA: None.

CPSC: None.

TSCA: Is this product and all its ingredients certified for inclusion in the Toxic Substances Control Act Inventory of Chemical Substances? Yes

OSHA: Have ingredients in concentrations above 0.1% been:

1. Listed in the NTP Annual Report on Carcinogens? Yes, silica.
2. Found to be a potential carcinogen by OSHA or IARC? Yes, silica.

SARA304: NO

SARA311: NO

SARA312: NO

SARA313: NO

NJRTK: YES

CAPROP65: YES

CANDSL: YES

ECOIN: YES

ACOIN: YES

RCRA: NO

**WARNING:** This product contains a chemical known to the State of California to cause cancer.  
-- Trace amounts of lead, cadmium, respirable crystalline silica. --

#### 16. OTHER INFORMATION

*The information contained in this Material Safety Data Sheet is believed to be reliable. No guarantee is implied or expressed regarding the accuracy of this information or the use of the product since the conditions for use are beyond our control. Nothing contained herein should be construed as a recommendation to use this product in conflict with Federal or state regulations or existing patents covering any material or its use.*

FOR MORE INFORMATION CONTACT:

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