



# AGRI-EMPRESA, LLC

Manufacturer • Packager • Distributer

## BARITE

### SAFETY DATA SHEET

REV. DATE: 06/15 REV. 2

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Company Identification:**

Agri Empresa LLC  
6001 W. Industrial Ave  
Midland, TX 79706  
432-694-1994

**24 Hour Emergency Telephone:** Call Chemtrec 1-703-527-3887

**Product Use:** Weighting Material and Filler

**Chemical Name:** Barium Sulfate

## 2. HAZARD IDENTIFICATION

**Precautionary Statements:** If contact with skin or eyes flush with water. If irritation persists, consult with a physician.

SIGNAL WORD	HAZARD	HAZARD CODE	CATEGORY	HEALTH HAZARD STATEMENT
DANGER	Eye	H320	2B	May cause eye irritation
	Skin	H316	2	May cause mild skin irritation/dryness
	Inhalation	H333	3	May be harmful if inhaled
	Target Organs	H370	2	Causes damages to organs with repeated or prolonged use. (eyes, lungs)

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT	CAS #	COMPOSITION	IDLH
Barium Sulfate	7727-43-7	100%	50 mg/m3



---

## 4. FIRST AID MEASURES

---

<b>First Aid-Eyes:</b>	Wash eyes with large amounts of water or normal saline solutions. If irritation or redness develops, seek medical attention.
<b>First Aid-Skin:</b>	Apply common skin moisturizers to relieve dryness. Irritations are uncommon; however, if irritation or redness develops, seek medical attention. Broken skin can be cleansed with mild soap and water.
<b>First Aid-Ingestion:</b>	Barite is considered to be relatively non-toxic due to non-absorption.
<b>First Aid-Inhalation:</b>	Remove from exposure to fresh air. If breathing has stopped, perform artificial respiration and get medical attention immediately. Keep person warm and at rest. Treat symptomatically and supportively.
<b>Emergency Eye Wash:</b>	When there is a possibility that an employee's eyes may be exposed to bulk quantities or high concentrations of airborne dust of this substance, the employer should provide an eye wash fountain within the immediate work area for emergency.

---

## 5. FIRE FIGHTING MEASURES

---

<b>Fire Extinguishing Media:</b>	Not readily combustible. Select extinguishing agent appropriate to other materials involved.
<b>Special Hazards of Product:</b>	Avoid the formation of dust clouds.
<b>Special Protective Equipment for Fire Fighters</b>	No specific measures necessary.

---

## 6. ACCIDENTAL RELEASE MEASURES

---

<b>Spill Procedures:</b>	No specific measures necessary.
--------------------------	---------------------------------

---

## 7. HANDLING AND STORAGE

---

<b>Handling:</b>	Wash thoroughly after handling.
<b>Storage:</b>	Store in original containers. Storage area should be away from incompatible materials and in cool, dry, well-ventilated and protected areas.



---

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

---

**United States:**

Exposure Limits:

**ACGIH TLV (United States, 01/2005)**

TWA: 10 mg/cu.m (8 hours). Form: All Forms

**NIOSH REL (United States, 12/2001)**

TWA: 5 mg/cu.m (10 hours). Form: Respirable fraction.

TWA: 10 mg/cu.m (8 hours). Form Total

**OSHA PEL (United States, 08/1997)**

TWA: 0, 5 mg/cu.m (8 hours). Form: All Forms

TWA: 5 mg/cu.m (8 hours). Form; Respirable fraction.

TWA: 15 mg/cu.m (8 hours). Form: Total dust.

**Canada:**

**ACGIH TLV (United States 01/2005)**

TWA: 10 mg/cu.m (8 hours). Form: All Forms.

**Mexico:**

**NOM-010-STPS (Mexico, 09/2000)**

CPT: 0.5 mg/cu.m (8 hours). Form: All Forms.

**Occupational Exposure Hazards:** OSHA TWA (respirable dust)-5 mg/m<sup>3</sup>; ACGIH, OSHA TWA (total dust)-10 mg/m<sup>3</sup>

**Engineering Control Measures:** Engineering methods to prevent or control exposure are preferred. If they are not effective, then suitable person protective should be used.

**Respiratory Protection:** The specific respirator selected must be based on the airborne concentration found in the workplace and must not exceed the working limits of the respirator.

**Hand Protection:** Protective gloves are not required, but may be worn to prevent skin dryness or irritation.

**Eye Protection:** Dust tight goggles.

**Body Protection:** Normal work wear.

**Emergency Eye Wash:** When there is a possibility that an employee's eyes may be exposed to bulk quantities or high concentrations of airborne dust of this substance, the employer should provide an eye wash fountain within the immediate work area for emergencies.



---

## 9. PHYSICAL AND CHEMICAL PROPERTIES

---

<b>Physical State:</b>	Solid (Powder.)
<b>Color:</b>	White to Tan.
<b>Odor:</b>	Odorless.
<b>pH:</b>	Not determined
<b>Specific Gravity:</b>	Not determined
<b>Relative Density:</b>	4.1 to 4.5 (Water=1)
<b>Freezing Point (F):</b>	2876
<b>Freezing Point(C):</b>	1580
<b>Vapor Density (Air-1):</b>	Not Determined
<b>Percent Volatiles:</b>	Not Determined
<b>Evaporation Rate (Butyl Acetate=1):</b>	Not Determined
<b>Solubility in Water (g/100ml):</b>	Insoluble in water.
<b>Solubility in Solvents:</b>	Not Determined
<b>VOCs (lbs/gallon):</b>	Not Determined
<b>Viscosity, Dynamic (centipoise):</b>	Not Determined
<b>Viscosity, Kinematic (centistokes):</b>	Not Determined
<b>Partition Coefficient/n-Octanol/Water:</b>	Not Determined
<b>Molecular Weight (g/mole):</b>	Not Determined
<b>MOHS Hardness:</b>	2.5-3.5

---

## 10. STABILITY AND REACTIVITY

---

<b>Stability Data:</b>	Product is stable
<b>Hazardous Decomposition:</b>	Will not occur.

---

## 11. TOXICOLOGICAL INFORMATION

---

<b>Acute Toxicity:</b>	Tumorigenic data (RTECS), Mutagenic data (RTECS)
<b>Chronic Effects/Carcinogenicity:</b>	Inhaled fine dusts of barium sulfate form harmless nodular granules in the lung (baritosis). Baritosis produces no symptoms of bronchitis or emphysema. Lung function is not affected, although some patients complain of dyspnea upon exertion.
<b>Other information:</b>	None known:
<b>Toxicity Tests</b>	
<b>Oral Toxicity:</b>	Not determined
<b>Dermal Toxicity:</b>	Not determined
<b>Inhalation Toxicity:</b>	Not determined
<b>Primary Irritation Effect:</b>	Not determined
<b>Carcinogenicity:</b>	Not determined
<b>Geno toxicity:</b>	None
<b>Reproductive/Development</b>	None



---

## 12. ECOLOGICAL INFORMATION

---

<b>Mobility (water/soil/air)</b>	The product is insoluble in water.
<b>Persistence/Degradability</b>	No relevant studies identified.
<b>Bio-accumulation</b>	No relevant studies identified.
<b>Eco toxicological Information</b>	Species (Daphnia magna, EC50), Period (48 hours), Result (32 mg/l)
<b>Chemical Fate Information:</b>	Not determined
<b>Other Information:</b>	Not applicable

---

## 13. DISPOSAL CONSIDERATIONS

---

<b>Disposal Method:</b>	Dispose of in accordance with all applicable local, state, and federal regulations.
<b>Container Disposal:</b>	Dispose of containers with care.

---

## 14. TRANSPORT INFORMATION

---

<b>Land Transportation</b>	
DOT	Not restricted
Canadian TDG	Not restricted
<b>Air Transportation</b>	
ICAO/IATA	Not restricted
<b>Sea Transportation</b>	
IMDG	Not restricted

---

## 15. REGULATORY INFORMATION

---

<b>US Regulations</b>	
US TSCA 8(b)	All components listed on inventory.
EPA SARE Title III Extremely Hazardous Substances	No products found.



---

**15. REGULATORY INFORMATION (cont.)**

---

<b>SARA 302/304 Emergency Planning and Notification</b>	No products found.
<b>EPA SARA (311,312) Hazard Class</b>	Barium Sulfate
<b>SARA 311/312/MSDS Distribution</b>	Chemical inventory-hazard identification: Barium sulfate: immediate (acute) health hazard.
<b>Clean Water Act 307/311</b>	No products found
<b>Clean Air Act Accidental Release Prevention</b>	No products found
<b>Clean Air Act Regulated Flammable Substances</b>	No products found
<b>Clean Air Act Regulated Toxic Substances</b>	No products found
<b>MA Right-to-Know Law</b>	Barium Sulfate
<b>NJ Right-to-Know Law</b>	Barium Sulfate
<b>PA Right-to-Know Law</b>	Barium Sulfate
<b>Canadian Regulations</b>	
<b>WHMIS HAZARD CLASS</b>	Un-controlled
<b>Mexico Classification:</b>	Health (1), Flammability (0), Reactivity (0) Hazard Ratings: 4 (extreme), 3 (serious), 2 (moderate), 1 (slight), 0 (minimal)
<b>International lists:</b>	This product and its ingredients are listed on national inventories, or is exempted from being listed, Australia (ACIS), in Europe (EINECS/ELINC), in Korea (TCCL), in Japan (METI), in the Philippines (RA6969).



## **16. OTHER INFORMATION**

---

**Hazardous Material Information System (USA):** Health Hazard-1(slight), Flammability Hazard-0 (minimal), Personal protections-E glasses, gloves, dust respirator.

**National Fire Protections Association (USA):** Health (1), Fire Hazard (1), Physical Hazard (0), Personal Protection (E).

### **DISCLAIMER STATEMENT:**

This information is furnished without warranty, expressed or implied, as to accuracy or completeness. The information is obtained from various sources including the manufacturer and other third party sources. The information may not be valid under all conditions nor if the material is used in combination with other materials or in any process. Final determination of suitability of any material is the sole responsibility of the user.

**\*\*END\*\***