



## HOT Barite (Barium Sulfate) MSDS

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### Part 1 Chemical name

Name	Barium sulfate	Common name	Barite/baryta
Instructional code	1600	CAS NO:	7727-43-7
Manufacturer	Beijing HOT Mining Tech Co.,Ltd		
Address	Room A1012, Building 4, Beijing INN, No.11 DongShuiJing Hutong, Dongcheng Dist, Beijing, P.R.China		
effective date	2015.9		

### Part 2 Component information

Ingredients	Content	CAS NO:
Barium sulfate	90-99%	7727-43-7



### Part 3 Summary of hazards

Hazard category	Low
Invasive approach	NA
Health Hazards	Pure barium sulfate insoluble in water, non-toxic, inhalation can cause chest tightness, chest pain, cough and so on. Eye irritation, long-term inhalation can cause barium pneumoconiosis.
Environmental hazard	Harmful to the environment, can cause air pollution
Danger of explosion	This product is not burning

### Part 4 first-aid

skin contact	Remove the contaminated clothing, with the flow of water treatment
eye contact	Raise the eyelid, wash with running water or saline
Inhalation	From the scene to fresh air, if breathing difficulties, oxygen, and then medical treatment
Ingestion	Drink plenty of warm water, vomiting, medical treatment

### Part 5 Fire-fighting measures

Hazardous characteristics	By high heat decomposition produce toxic sulfide flue gas
Harmful combustion products	Sulfur oxide
Fire fighting method	Firefighters must wear fireproofing and anti-virus clothing, Fire fighting on the upwind, remove the container from fire to the empty place

### Part 6 Leak emergency treatment



Emergency treatment	Isolated from contaminated areas, restricted access. It is recommended that emergency personnel wear dust masks, mix with sand, dry lime or soda ash. Collected in a dry, covered container, moved to a safe place. If huge leakage, after recycling move to the disposal of waste disposal sites.
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## Part7 Handling and storage

Operation precautions	Local exhaust, it is recommended that operators wear self-absorption filter dust masks, to avoid dust. Avoid contact with reducing agent. Making sure light handling and light unloading. To prevent damage to the packaging or container
Storage Precautions	Store in a cool and ventilated warehouse, away from fire, heat. Should be stored with flammable materials, reducing agent, should not be mixed storage. The storage area should have a suitable material to contain the spill.

## Part 8 Contact control / personal protection

China MAC (mg/m <sup>3</sup> )	No Standard
TLVIN	ACGIH 10mg/m <sup>3</sup>
engineering control	Closed operation, partial exhaust
Respiratory protection	When the dust concentration in the air is high, it is recommended to wear a self-priming filter dust mask
Eye protection	If necessary, wear chemical safety protection eyewear
Body protection	Wear general protective clothing
Hand protection	Wear general protective gloves
Other protection	After work is done and the bath is changing

## Part 9 Physical and chemical properties



Appearance and shape	White oblique crystals		
PH value	7-11		
Melting point (° C)	1580	Relative density (water = 1)	4.449 (15° C)
Molecular formula	BaSO <sub>4</sub>	Molecular weight	233.39
The main ingredient	BaSO <sub>4</sub> , Fe <sub>2</sub> O <sub>3</sub> , Hg, Pb		
Solubility	Insoluble in water, insoluble in acid		
The main purpose	A heavy weight additive for drilling mud, a filler for white pigments, paper, rubber, etc., a developer for X-ray fluoroscopy		

### Part 10 Stability and reactivity

Stability	Strong
Banned Collocation	Phosphorus and aluminum
Avoid contact conditions	Avoid long-term inhalation of the dust

### Part 11 Toxicological information

Acute toxicity	LD50: N/A LC50: N/A
Subacute and chronic toxicity	N/A
Irritation	N/A
Sensitization	N/A
Mutagenicity	N/A
Teratogenicity	N/A
Carcinogenicity	N/A



## Part 12 Ecological information

Harmful effects	The substance is harmful to the environment and should be given special attention to atmospheric pollution
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## Part 13 Disposal

Disposal method	According to the relevant national and local laws and regulations required disposal, or contact the manufacturer to determine the disposal method
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## Part 14 Transport information

UN serial Number	1564
Packaging logo	HOT
Packing category	Z01
Package method	Use multilayer film with sunscreen, waterproof, insulated woven bag
Transport precautions	When the shipment is complete, the packing should be secure. During the transport process to ensure that the goods do not leak, do not collapse, do not fall, no damage. It is forbidden to mix and match with combustible materials and combustibles, reducing agents and so on. Transport should be anti-sun, rain, high temperature.

## Part 15 Regulatory Information

Regulatory Information	Regulations on the Safety Management of Chemical Dangerous Goods (GB97217) Regulations on the Implementation of Safety Regulations for Chemical Dangerous Goods (GB92-677#)
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