

# BARIUM SULFATE

**Material Safety Data Sheet**

Date updated Jan. 7th, 2014

## CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Date concerning producer

Wuhan Xinru Chemical Industry Co.,LTD

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### 1. Composition/Information on Ingredients

Chemical name: barium sulfate; concentration: 97-100%

Ingredient	CAS No	Percent	Hazardous
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Barium Sulfate	7727-43-7	97 - 100%	No

### 2. Hazards Identification

Routes of entry: respiration, eyes, skin contact

Carcinogenicity: none

Target organs: eyes, lungs

Health impact on eye: Direct contact of the eyes with its dust might cause mechanical irritation.

Health impact on skin: Direct contact of the skin with its dust might cause slight skin dryness and slight irritation.

Health impact on digestive system: Inhalation of fine bentonite dust might cause mechanical irritation to the nose and throat.

### 3. First-aid Measures

Eyes: Flush the eyes with plenty of water or 0.6% saline solution. If irritation or reddish swelling persists, see a doctor.

Skin: An ordinary emollient may eliminate dryness. If irritation or reddish swelling persists, see a doctor.

In case of a bruise, clean the wound with dilute suds.

Digestive system: Since this material is not absorbed in the digestive system, it is thought as nontoxic to the body.

Respiratory system: If this occurs, move to fresh air immediately. In case of stop of respiration, take an artificial respiration and send the patient to the hospital immediately. Keep warm and have enough rest.

Emergency eye washing: If employees are likely to be exposed to high concentrations of air-borne dust, the employer shall provide a water source nearby to provide against accidents.

#### **4. Fire Fighting Measures**

Extinguishing medium: A nonflammable medium should be used. The medium selected should not react with the other components of the product.

Warning on special production hazards: Avoid the generation of dust

Fire fighting protection equipment: no special requirement

#### **5. Accidental Release Measures**

Overflow process: no special measure needed

#### **6. Handling and Storage**

Handling: This product should be stored in a sealed container to prevent the diffusion of dust in the air.

Storage: This product should be stored in the original container away from incompatible substances, and kept dry, cool and ventilated with protective measures provided.

#### **7. Exposure Controls/Personal Protection**

Engineering controls: Preferably engineering measures are taken to protect from and control exposure; if this is not ideal, personal protective measures should be taken.

Respiratory protection: Use of a special gauze mask depends on the dust concentration of the workshop, which shall not exceed the normal working range of the mask.

Hand protection: Protective gloves are usually not necessary. However, if there is a need, they can be used to prevent skin drying and irritation.

Eye protection: dustproof goggles

Body protection: common working clothes

Emergency eye washing: If employees are likely to be exposed to high concentrations of air-borne dust, the employer shall provide a water source nearby to provide against accidents.

#### **8. Physical and Chemical Properties**

Water solubility: insoluble

Appearance and scent: light off-white powder; scentless

#### **9. Stability and Reactivity**

Stability: stable at normal pressures

Incompatibility: none

Decomposition/byproducts: carbon dioxide, carbon monoxide

Hazardous polymerization reaction: There has been no report on hazardous polymerization reaction at normal pressures and temperatures.

#### **10. Toxicological Information**

Acute toxicity: data on carcinogenic tumor (RTECS); data on induction of organic mutation (RTECS)

Chronic toxicity / carcinogenicity: none

Genic toxicity: none

Genotoxicity: none

#### **11. Ecological Information**

Migration fluidity: This product is insoluble in water

Durability and decomposability: no relevant study available

Biological accumulation: no relevant study available

Eco-toxicity: no relevant study available

**12. Disposal Considerations**

Product: to be disposed of in accordance with applicable local and State regulations

Container: to be disposed of carefully

**13. Transport Information**

The Ministry of Communications of the People's Republic of China has not listed this product as a hazardous article.

**14. Regulatory Information**

Whether listed in Toxic Substances Control Act (TSCA): Yes Allowable concentration 1% or higher (0.1%), thought as carcinogenic National Paints and Coatings Association (NPCA): health hazard index, slight; inflammable hazard index, minimum; reactivity hazard index, minimum; personal protection index-E, glasses, gloves and dust respirator

**15. Other Information**

**NFPA Ratings:** Health: **0** Flammability: **0** Reactivity: **0**

**Label Hazard Warning:**

As part of good industrial and personal hygiene and safety procedure, avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin, eyes and clothing.

**Label Precautions:** None.

**Label First Aid:** Not applicable.

**Product Use:** Painting, Powder coating industry, Laboratory Reagent.

**Revision Information:** No Changes.

**Disclaimer:**

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