

Shanghai Betpak Packaging Material Co.,LTD

Material Safety Data Sheet(MSDS)

1. Manufacture's Name and Contact Information

Name of Product: Silica gel

Manufacturer: Shanghai BetPak Packaging Material Co., Ltd.

ADD: No.GuCui Road,Xinchang Industrial Area,Nanhui,Shanghai

Tel: 021-38015233 021-38015172

Fax: 021-38015170



2. Composition/information on ingredients

Chemical Components	Weight,%	CAS NO
SiO ₂	99.907	112926-00-8
Fe ₂ O ₃	0.008	1309-37-1
Al ₂ O ₃	0.025	
CaO	0.01	
Na ₂ O	0.05	

3. Hazards Identification

The product is nonflammable , genera it is safety, If someone contacts with the grinding powder, maybe irritate to eyes and skin. If inhale powder, Maybe irritate to the respiratory tract.

Risk categories: none

Pathways: eyes, skin, inhalation

Health hazard:

A. eyes: if contact with the grinding powder, may stimulate the eyes.

B. skin: if contact grinding powder, may dry skin.

C. inhalation: if contact with the grinding powder, may be irritate to the respiratory tract, or long time repeated inhalation, may damage the lungs

D. ingestion: usually used, can not eat or ingest the product, if ingest, It can cause intestinal system temporary allergy, especially the stomach.

Environmental hazards: no available data

Explosion danger: This product is not flammable, forming solid particles, not form explosive mixture

4. First Aid Measures

Skin contact: with plenty of soap and water cleansing, if allergic symptoms, seek medical advice

Immediately: cleaning with plenty of water for at least 15 minutes

Inhalation: immediately move to the ventilation, If breathing is difficult :need more Oxygen.

if Stop breathing :Artificial respiration, If need for immediate medical attention

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5. Fire Fighting Measures

Flash Point	Packing Material
spontaneous combustion Point	key packing material
Explosion limit	Complete burning
Suitable extinguishing	Carbon dioxide
Measures for special fire control	Fire extinguisher

6. Accidental Release Measures

PERSONAL PRECAUTIONS :
Colloidal particle leak into the ground, can cause personnel wrestling, must immediately clear.
ENVIRONMENTAL PRECAUTIONS :
1 .The colloidal particles leaking to the floor will make people fall down. So people should clean them up at once
2.If colloidal particles are pollution-free, they should be recycled when they leak to the floor.

7. Handling and Storage

Handling: avoid collision. cannot touch with eye, wash hands after handling.
Storage: store in sealed containers, store in dry, cool and airy area store at dry, cool and ventilated place

8.Exposure Controls/Personal Protection

Contact Control	Wear gloves.
Personal Protection	Avoid eating by mistake. Use vacuum cleaner if possible. Avoid inhaling dust.

9. Physical and Chemical Properties

Items	Technical index	
appearance	white transparent rounded grains	
density, g/L, ≥	750-800	
Diameter of the particle, mm	2.0-4.0mm	
PH-value	3~8	
dynamic adsorption of water vapor(25 °C)	RH=20%, ≥	10.5%
	RH=50%, ≥	23.0%
	RH=90%, ≥	34.0%
Unit absorption capacity (25 °C)	RH=20%,≥	3.0-0.15g
	RH=40%,≥	6.0-0.15g
Loss on Drying (%) at 170 °C, ≤	3.0%	

10. Stability and reactivity

Stability at ordinary times Usually stable.
Could not mix with strong oxidant. Don't mix with strong oxidant.
Can't decompose No decomposition if stored according to spec No polymeric danger

11. Chemical Parameter

Acute toxicity:
Ingredients: silicon dioxide
S LD50: > 5510 mg/kg
S LD50: > 5000 mg/kg
Carcinogenicity: no carcinogenic substance Stimulating

12. Toxicological Information:

Ecological toxicity: No available information
Biological degradability: No available information
Non biodegradable: No available information

13. waste disposal considerations

Classify the waste before disposing. Refer to national legislation to ensure the classification is correct.

14. Transport Information

Transportation note: ensure complete packed, ensure transportation container is not leak, avoid collapse and fall, transit should prevent exposure to the sun, rain, the high temperature

15. Regulatory Information

Dangerous commodity name list (GB12268-2005)
Hazardous chemicals safety management executive detailed rules and regulations (change labor is sent [1992] 677)
Dangerous chemicals safety management regulations (on January 26, 2002 the state council issued)

16. Other Information

REFERENCES LITERATURE :
PREPARED THE MSDS ORG. :Quality Control Department
PREPARED THE MSDS PERSON :GUO JING
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