

SHANDONG ZHONGYANG FOUNDRY MATERIALS CO.,LTD
225th BEIYUAN STREET ,TIANQIAO DIST,JINAN ,SHANDONG ,CHINA

Safety Data Sheet

1 . Identification

Product name : Ceramic Sand
 Company name : Shandong Zhongyang Foundry Materials Co.,Ltd
 Address : 225th Beiyuan Street ,Tianqiao Dist ,Jinan,Shandong,China
 :
 : 0531-68293678
 Tel : 0531-66372565
 Fax :
 :

2 . Hazard Identification

GHS Classification : not classified
 Physical Hazards :
 :
 Human Health Hazards
 Touch eye: : Serious eye damage/eye
 Respiratory exposure: Respiratory tract irritation

3 . Composition / information on ingredients

Single product / Mixture Distinction : Mixture

Chemical Name	Alumin	Ferric oxide	Titanium dioxide
Formula	Al ₂ O ₃	Fe ₂ O ₃	TiO ₂
CAS No.	1344-28-1	1309-37-1	13463-67-7

4 . First-aid measures

If in eyes : Absolutely do not rub the eyes. Immediately flush the eyes with running pure water to fully clean the eyes.
 If eye irritation persists, get medical advice / attention.

If on skin : Wash with running water.

If inhaled : Immediately move the victim to a location where there is plenty of fresh air, preferably out of doors and have him/her gargle with pure water.
 If large amounts have been inhaled, get medical attention from a physician.

If swallowed : Immediately wash the inside of the mouth out with fresh water.
 If a large volume of the substance has been ingested, get medical attention from a physician immediately.

5 . Fire-fighting measures

- Method of extinguishing fire : Because of the non-inflammable nature of this product there are no particular regulations in regard to fire for it.
- Fire-extinguisher agent : Not applicable

6 . Accidental release measures

- Removal method : Clean the scattered article with a vacuum cleaner or collect it in an empty container by sweeping with a broom.
When this article scattered in flat floor sides because this is spherical, and fluidity is extremely good, besides, do not walk. We walk carefully and when We must walk at the top scattered by cleaning, We are careful to falls work.
- Personal precautions : Removed when the work is to wear protective equipment, be careful not to inhale the dust.
- Environmental Precautions : If large volumes of the substance have leaked out, spread water over it so that no dust arises.
Never allow this substance to be discharged into rivers, streams, water systems or sewage systems.

7 . Handling and storage

- Handling precautions
- Technical measures : When working or handling, always wear a dust mask safety glasses.
Be careful to avoid damage to the vessel, prevent splashes deal unnecessarily cautions.
Flexible container when the containers are free under the Flexible container never hung state.
- precautions : When handling indoors, ensure adequate ventilation.
- precautions for safe handling : Contact with prohibited substances mixed None.
- Precautions for storage
- Technical measures : Flexible container for packing that is, to note the following points so
•h Exactly when stock pile, the height should be within 2m
•Slope of the state during storage, and to note the presence of the abnormal leakage of contents.
- Prohibited substances incompatible : None
- Storage conditions :
- Safe containers and packaging materials : Flexible container or paper bags or Polypropylene(PP) bags are preferred.

8 . Exposure controls / personal protection

- Equipment measures : When handling indoors, install fully adequate exhaust ventilating fans or blowers to ensure lower controlled density.
- Permissible density : Class 1 dust、 Repairable dust $0.5\text{mg}/\text{m}^3$ 、 Total dusts $2\text{mg}/\text{m}^3$
- Protective gear
- Protective breathing gear :
- Protective glasses (safety glasses) : Wear (dust mask that has conforms to national inspection standards)
Wear
- Protective gloves : Wear at all times, removal only when necessary.
- Protective clothing : Wear at all times, removal only when necessary.
- Health measures : Wash hands etc thoroughly after handling.

9 . Physical and chemical properties

- Physical state : Solid
- Shape : Ball Shape
- Color : Black

Refractoriness:	: ≥ 1790
Angle Factor	: ≤ 1.1 , very close to sphere shape
Bulk Density	: 1.95-2.05 (g/cm ³)
Thermal expansion	: 0.13% (10 minutes at 1000°C)
Particle Size	: 6—320 # (ϕ 0.053-3.36mm)
Al ₂ O ₃	: 65—85%
SiO ₂	: $\leq 6\%$ -30%
TiO ₂	: $\leq 1\%$ -4.5%
PH	: 7-8

10 . Stability and reactivity

Stability	: Extremely stable
Reactive	: None
Hazardous decomposition	: Not applicable

11 . Toxicological information

Acute toxicity	: No data available.
Serious eye damage/eye irritation	: If this substance enters the eyes there will be temporary irritation and the feeling of a foreign object in the eyes.
Respiratory sensitization	: No data available.

12 . Ecological information

Acute toxicity to the aquatic environment	No data available.
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3 . Disposal considerations

Residual waste	: Never dispose of this product in rivers, streams, oceans, seas, underground water, water supply or sewage water. Consign the disposal of this substance to a corporation authorized to treat industrial wastes. All national, state and municipal laws and regulations must be followed.
Containers and Packaging	: Empty containers: To dispose in accordance with local waste laws and regulations relevant.

14. Transport information

Conditions on the transport and safety measures	: Store containers to ensure that there is no breakage or leakage. Stack them so that they will not be subject to shock and they will not drop or
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15 . Regulatory information

Applicable law and regulations	: For health management and workplace management and workers work and dust, do the following according to law. • Labor Safety and Sanitation Laws, Dust Damage Prevention Regulations and the Pneumoconiosis Law According to the above laws and regulations, and manage according to Laws and regulations in the area.
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16 . Other information

For inquiries on information given in :
this paper

1. The evaluations and data given in this data sheet are by no means fully adequate. There is always a possibility of dangers that are not yet known, and for that reason, the utmost care must be exerted when handling these materials.

2. The cautions given in this paper apply to normal handling. If special handling is required, then you must implement new safety measures that coincide with the special purpose and use.