



## ZHENGZHOU HAIXU ABRASIVES CO.,LTD

ADD: Room 1409,1#building,Lvdi International Center,South Daxue Road,  
Erqi District, ZhengZhou City, Henan Province, CHINA  
Web:<http://www.ceramsite.net> Tel:+86-371-60900389 Fax:+86-371-60305637

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# MATERIAL SAFETY DATA SHEET

**Print Date:** Monday, Dec 11<sup>th</sup> 2018

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### Product name

Ceramic Foundry Sand

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### Manufacturer

Zhengzhou Haixu Abrasives Co.,ltd

[Http://www.ceramsite.net](http://www.ceramsite.net)

Telephone:+86-371-60900389

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### Composition/information on ingredients

Al<sub>2</sub>O<sub>3</sub>: 70- 85%

SiO<sub>2</sub>: 8 ~ 12%

Fe<sub>2</sub>O<sub>3</sub>: 5%Max

TiO<sub>2</sub>: 3.5%max

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### Hazards identification

Not hazardous. The product is inert, so it does not form any explosive or flammable blend.  
As with all dusts, inhalation should be avoided.

### First-aid measures

First Aid – Eyes                      Treat symptomatically for mechanical irritation. Flush lightly with clean water.

First Aid – Skin                        Powder may cause drying of the skin with repeated or prolonged contact. Wash with soap and water.

First Aid – Ingestion                 Rinse mouth out with water.

First Aid – Inhalation                Temporary discomfort to upper respiratory tract may occur due to inhalation of high dust levels. Remove to fresh air.

If any symptoms develop, seek medical aid.

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### Fire-fighting measures

Non flammable and not explosive – no special precautions necessary. Skin Contact

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### Accidental release measures

Collect dry powder using a vacuum cleaner or other means where dust is not generated.

### Handling and storage

Handling      Appropriate controls should be used to avoid generating dust when handling dry powders.

Storage        Powders should be stored at ambient temperature in a dry covered area. The product should be stored in sealed bags, away from humidity in a well ventilated area if possible.

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### Exposure controls/Personal protection

Respiratory protection      Use appropriate engineering controls to avoid dust generation when handling powders. Ensure that all occupational exposure standards are observed.

Skin protection              Substance may have a drying effect on the skin. Maintain good standards of industrial hygiene.

Eye protection              Eyewash should be available, eye protection is recommended.

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### Physical and Chemical Properties:

Refractoriness: 1850 degrees centigrade

Angle coefficient: 1.1max

Thermal expansion (at 100 deg C): 0.15

Thermal conductivity: 0.196 w/m.k

Specific heat: 873 J/kg.

Bulk density: 1.9 ~ 2.2 g/cm<sup>3</sup>

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### Stability and reactivity

Conditions to avoid                      Protect against moisture

Material to avoid                      None known

Hazardous decomposition products                      None known

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### Toxicological information



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Inhalation	Temporary discomfort or mechanical irritation to the upper respiratory tract may occur due to inhalation of high dust concentrations. No acute effects expected
Skin contact	No determined toxicological effects.
Ingestion	No determined toxicological effects.
Eyes	High dust concentrations may cause mechanical irritation.
Alpha Alumina	4 ( OES ) Respirable
Titanium Dioxide	4 ( OES ) Respirable

### **Ecological information**

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Environmental Statement casting sand is persistent and non-biodegradable but is unlikely to have any long term effect on the environment.

Mobility           olid. Involatile. Insoluble in water

Degradability   Non-biodegradable. Persistent.

Accumulation   No bio-accumulation or bio-magnification identified.

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### **Waste disposal information**

Casting sand may be disposed of as non toxic/inactive materials in approved landfill sites in accordance with local regulations.

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### **Transport information**

Casting sand is not classified as dangerous for transportation under EU or UK national regulations. No special precautions are required.

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### **Regulatory information**

Casting sand is not classified as dangerous to supply under EU or UK national regulations.

### **Other information**

The information provided in this safety data sheet is correct to the best of our knowledge information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, postrecession, storage, transmigration, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and is not valid for sun material used in combination with any other materials or in any process.