

# MATERIAL SAFETY DATA SHEET

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**Product name**

white fused alumina

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**SECTION 1-Manufacturer**

ZHENGZHOU HAIXU ABRASIVES CO.,LTD

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**SECTION 2-Composition/Information on Ingredients**

|                    |       | CAS-NO     |
|--------------------|-------|------------|
| Alpha Alumina      | 99.6% | 1344-28-1  |
| sodium oxide       | 0.27% | 1313-59-3  |
| Iron Oxide         | 0.05% | 1309-37-1  |
| Potassium monoxide | 0.02% | 12136-45-7 |
| Silicon dioxide    | 0.04% | 7631-86-9  |
| magnesium oxide    | 0.02% | 1309-48-4  |

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**SECTION 3-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.

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**SECTION 4-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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### SECTION 5-Fire-fighting measures

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

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### SECTION 6-Accidental release measures

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

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### SECTION 7- 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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### SECTION 8-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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### SECTION 9-Physical and Chemical Properties:

Physical and chemical properties

|                      |           |
|----------------------|-----------|
| Form:                | powder    |
| Odour:               | odourless |
| Melting point        | NA        |
| Boiling point:       | NA        |
| Explosive properties | None      |
| Relative density     | 2.55      |

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### SECTION 10-Stability and reactivity

|                                  |                          |
|----------------------------------|--------------------------|
| Conditions to avoid              | Protect against moisture |
| Material to avoid                | None known               |
| Hazardous decomposition products | None known               |

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### SECTION 11-Toxicological information

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

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### SECTION 12-Ecological information

Environmental Statement white fused alumina 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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### SECTION 13-Waste disposal information

white fused alumina may be disposed of as non toxic/inactive materials in approved landfill sites in accordance with local regulations.

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### SECTION 14-Transport information

White fused alumina is not classified as dangerous for transportation under EU or UK national regulations. No special precautions are required.

**UN number**   ADR/RID:    IMDG:-    IATA:-

**UN proper shipping name**

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

**Transport hazard class(es)**

ADR/RID: -   IMDG:-            IATA:-

**Packaging group**

ADR/RID: -   IMDG:-            IATA:-

**Environmental hazards**

ADR/RID: no    IMDG:-    IATA:-no

**Special precautions for user**

No data available

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### SECTION 15-Regulatory information

white fused alumina is not classified as dangerous to supply under EU or UK national regulations.

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### SECTION 16-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.