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## Section 1: Identification

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### Product Identifier

**Description:** Ceramic parts manufactured from Aluminium Oxide, ≤ 96%

**Chemical Abstract Service (CAS) Registry Number:** 1344-28-1

**Synonyms:** AL2O3

### Relevant identified uses of the substance or mixture and uses advised against

**Recommended use** Consult the supplier

**Uses advised against** Users are recommended to seek further advice

### Supplier Contact Information

China Zirconia Ceramic,  
Inc. PO Box 189  
Hubertus, WI 53033

### Emergency Phone Information

China Zirconia Ceramic, Inc. 1-262-335-3635

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## Section 2: Hazards Identification

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### Classification of the substance or mixture

#### Globally Harmonized System of Classification (GHS)

Not classified as hazardous

#### Proprietary Organic Additives

Not classified as hazardous

### Label Elements

Hazard pictogram	None
Signal word	None
Hazard statement	None
Precautionary statement	Avoid breathing dust Wear eye protection In case of inadequate ventilation wear respiratory protection If in eyes: Rinse continuously with water for several minutes If on skin: Wash with soap and water

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## Section 3: Composition / Information on Ingredients

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Substances	CAS	Weight %
Aluminum oxide (non-ferrous)	1344-28-1	90 - 100
Proprietary Organic Additives	Mixture	0 -10

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## Section 4: First Aid

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### Description of First Aid Measures

In circumstances where dust may be generated from machining or disposal

#### Eye Contact

Rinse cautiously with water for several minutes. Remove contact lenses if present, and easy to do. Continue rinsing.

#### Skin Contact

Wash skin with soap and water. **Ingestion** Rinse mouth. **Inhalation** Move to fresh air.

#### General Advice

If symptoms persist, call a physician. Show this safety data sheet to doctor in attendance.

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## Section 5: Fire-Fighting Measures

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### Extinguishing Media

#### Suitable extinguishing Media

The product itself does not burn. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

#### Extinguishing Media which must not be used for safety reasons

None known

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## Section 6: Accidental Release Measures

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### Environmental Release Measures

No special environmental precautions required.

### Methods and material for containment and cleaning up

Clean up promptly by scoop or vacuum.. Place into appropriate container for disposal.

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## Section 7: Handling And Storage

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### Precautions for Safe Handling

In circumstances where dust may be generated from machining or disposal

#### Handling

Provide appropriate exhaust ventilation at places where dust is formed.

#### General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice.

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**Exposure scenario**

No information available

**Conditions for safe storage, including any incompatibilities**

Keep in a dry place.

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**Section 8: Exposure Controls/ Person Protection**

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**Control parameters****Exposure Limits**

Applies to circumstances where dust may be generated from machining or disposal

**Exposure controls****Engineering controls**

Ensure adequate ventilation in circumstances where dust may be generated from machining or disposal, especially in confined areas.

**Personal protective equipment**

In circumstances where dust may be generated from machining or disposal:

**Eye Protection**

Safety glasses with side-shields.

**Skin Protection**

No special protective equipment required.

**Hand Protection**

No special protective equipment required.

**Environmental exposure controls**

Avoid dust formation

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**Section 9: Information on Basic Physical And Chemical Properties**

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<b>Physical state</b>	Solid
<b>Color</b>	Ivory or white
<b>Melting point</b>	2000°C.
<b>Relative density</b>	3.60 to 3.950 g/cm <sup>3</sup>

## Section 10: Accidental Release Measures

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### **Reactivity**

None under normal processing

### **Chemical Stability**

Stable under normal conditions

### **Possibility of Hazardous Reactions**

None under normal processing

### **Conditions to Avoid**

No known conditions to avoid

### **Incompatible materials**

No incompatible materials known

### **Hazardous Decomposition Products**

None under normal processing

## Section 11: Toxicological Information

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**Note:** The products itself has not been tested.

### **Acute Dermal Toxicity**

No data available

### **Acute Inhalation Toxicity**

This product may contain particles whose diameters are less than 1 micron. The human health is questionable given the unrealistic level and manner of exposure involved.

### **Respiratory Skin or Sensitization**

No data available

### **Carcinogenic effects**

Contains no ingredient listed as a carcinogen

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## Section 12: Ecological Information

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### **Aquatic Toxicity**

Product is a inorganic solid that is not bioavailable to aquatic biota and non-toxic

### **Other adverse effects**

None known

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## Section 13: Disposal Considerations

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### **Waste Treatment Methods**

#### **Waste from residue / unused products**

Disposal should be in accordance with application regional, national and local laws and regulations.

Avoid dust formation.

#### **Contaminated packaging**

Empty containers should be take to an approval waste handling site for recycling or disposal.

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## Section 14: Transport Information

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**Note:** Not classified as dangerous according to transport regulations

<b>DOT (US)</b>	Not regulated
<b>IATA</b>	Not regulated
<b>IMDG</b>	Not regulated

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## Section 15: Regulatory Information

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### **Safety, health and environmental regulations/legislation specific for the substance or mixture**

#### International Inventories

<b>TSCA</b>	Complies
<b>EINECS/ELINCS</b>	Complies
<b>DSL/NDSL</b>	Listed on DSL
<b>PICCS</b>	Complies
<b>ENCS</b>	Complies
<b>IECSC</b>	Complies
<b>AICS</b>	Complies
<b>KECL</b>	Complies

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**Legend**

- TSCA-** United States Toxic Substance Control Act Section 8(b) Inventory
- EINECS/ELINCS-** European Inventory of Existing Chemical Substances/European List of Notified Chemical Substance
- DSL/NDSL-** Canadian Domestic Substances List/Non-Domestic Substances List
- PICCS-** Philippines Inventory of Chemicals and Chemical Substances
- ENCS-** Japan Existing and New Chemical Substances
- IECSC-** China Inventory of Existing Chemical Substances
- AICS-** Australian Inventory of Chemical Substances
- KECL-** Korean Existing and Evaluated Chemical Substances

**Chemical Safety Assessment**

A Chemical Safety Assessment has been carried out

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**Section 16: Other Information**

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**Prepared by:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Updates**

The most current version of this Safety Data Sheet is available at this URL: [China Zirconia Ceramic, Inc.](#)

**Disclaimer**

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