



# Material Safety Data Sheet

This MSDS is authoring based on the data supplied by and identified on behalf of the client.

Sample Name: Dental Zirconia Ceramic Multilayer-3D  
Client Name: Aidite (Qinhuangdao) Technology Co.,Ltd.  
Client Address: No. 9 Dushan Road, Economic and Technological Development Zone, Qinhuangdao City China  
MSDS No.: 60061687  
Issue Date: September 10, 2019

Signed for and on behalf of  
Regu (shenzhen) Co., Ltd.

  
  
David Chen  
Approved signatory

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# Material Safety Date Sheet

MSDS No.: 60061687

Creation Date: September10, 2019

Page 1 of 6

## 1. Identification of the Substances/Preparation and of the Company/Undertaking

### Product Details

Product Name: Dental Zirconia Ceramic Multilayer-3D

Manufacturer: Aidite (Qinhuangdao) Technology Co.,Ltd.

Address: No. 9 Dushan Road, Economic and Technological Development Zone, Qinhuangdao City China

Emergency Telephone: +86 335-8587898

## 2. Hazards Identification

### Classification of the substance or mixture

This product is not classified as dangerous according to the GHS (The Globally Harmonized System of Classification and Labelling of Chemicals).

### GHS Label elements

**Pictogram(s):** No pictogram is used.

**Signal word:** No signal word is used.

**Hazard statements:** No hazard statement.

**Precautionary statements:** No precautionary statement.

**Additional Hazards:** None. This product is regarded as articles; no substances are intended to be released and will be safe for consumer during normal handling.

## 3. Composition/Information on Ingredients

### Chemical Characterization

Composition:

Dental Glass Ceramic is regarded as articles. Consist of the following ingredients.

Substance	CAS #	Amount%
Zirconium dioxide ZrO <sub>2</sub>	1314-23-4	90-95
Yttrium oxide Y <sub>2</sub> O <sub>3</sub>	1314-36-9	4-10
Aluminium oxide	1344-28-1	≤ 0.5
Other oxide	N/A	<0.5

## 4. First-Aid Measures

**Eye Contact:** Not expected to contact eyes under normal usage. If contact eyes, Flush eyes with plenty of water, occasionally lifting the upper and lower eyelids.

**Skin contact:** Not required for first aid normally.

**Inhalation:** Cannot be inhaled as whole solid.

**Ingestion:** Ingestion is not a likely exposure under normal conditions. If ingested, Rinse mouth with water. Get medical attention if necessary. Never give anything by mouth to an unconscious person.

**Advice to doctor:** Treat symptomatically.

# Material Safety Data Sheet

MSDS No.: 60061687

Creation Date: September 10, 2019

Page 2 of 6

## 5. Fire-Fighting Measures

**Flammability of the Product:** Incombustible.

**Suitable Extinguishing Media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Unsuitable extinguishing media:** None known.

**Special hazards arising from the substance or mixture:** No data available.

**Advice for firefighters:** Wear self-contained breathing apparatus and standard firefighting equipment for firefighting if necessary.

## 6. Accidental Release Measures

**Personal precautions, protective equipment and emergency procedures:** Not required.

**Environmental precautions:** No special environmental precautions required.

**Methods and materials for containment and cleaning up:** No special measures required. Pick up or sweep up mechanically.

## 7. Handling and Storage

### Handling

**Advice on Safe Handling:**

No special measures required. Safe for consumer during normal handling.

### Storage

**Requirements for Storage:** No special storage necessary. Store in dry and cool place. Not a toy and must therefore be stored away from children.

## 8. Exposure Controls/Personal Protection

**Exposure Limits:** Not established for the finished product.

**Engineering Controls:** General industrial hygiene practice.

**Personal protective equipment:**

**Respiratory Protection:** Not required.

**Eyes Protection:** Not required.

**Body Protection:** Not required.

**Hands Protection:** Not required.

**Other Protections:** No special other protections required.

## 9. Physical and Chemical Properties

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### General Information

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<b>Form:</b>	Solid
<b>Color:</b>	White

# Material Safety Data Sheet

MSDS No.: 60061687

Creation Date: September 10, 2019

Page 3 of 6

<b>Odor:</b>	Odorless
<b>pH:</b>	N/A
<b>Melting Point/Range:</b>	N/A
<b>Boiling Point/Range:</b>	N/A
<b>Percent Volatility:</b>	N/A
<b>Flash Point:</b>	N/A
<b>Density:</b>	≈5.7 g/cm <sup>3</sup>
<b>Vapor Pressure:</b>	N/A
<b>Vapor Density:</b>	N/A
<b>Evaporation Rate &amp; Reference:</b>	N/A
<b>Solubility in Water:</b>	Insoluble in water.
<b>Explosion Limits in Air - Upper :</b>	N/A
<b>Explosion Limits in Air - Lower:</b>	N/A

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## 10. Stability and Reactivity

**Stability:** Stable under normal temperature and pressure.

**Hazardous reactions:** None hazardous reactions known.

**Incompatibility (Materials to Avoid):** Hydrofluoric acid.

**Conditions to Avoid:** No data available.

**Hazardous Decomposition and/or Combustion Products:** Other decomposition products - no data available. In the event of fire: see section 5.

## 11. Toxicological Information

**Acute toxicity:** No information available.

**Skin corrosion/irritation:** No irritating effect.

**Serious eye damage/irritation:** No irritating effect.

**Respiratory sensitization:** No sensitizing effects known.

**skin sensitization:** No sensitizing effects known.

**Carcinogenicity:** No known significant effects or harm.

**Germ Cell Mutagenicity:** No known significant effects or harm.

**Reproductive Toxicity:** No known significant effects or harm.

**STOT-Single Exposure:** No known significant effects or harm.

**STOT-Repeated Exposure:** No known significant effects or harm.

**Aspiration Hazard:** No aspiration hazard.

**Potential Health Effects:**

This product is regarded as articles; no substances are intended to be released and will be safe for consumer during normal handling.

# Material Safety Data Sheet

MSDS No.: 60061687

Creation Date: September 10, 2019

Page 4 of 6

**Inhalation:** No irritating effect.

**Skin Contact:** Safe for direct skin contact.

**Eye Contact:** No irritating effect.

**Ingestion:** Ingestion is unlikely under normal conditions.

## 12. Ecological Information

**Ecotoxicity:** This product, when used under reasonable conditions and in accordance with the directions for use, should not present an environmental hazard.

**Bioaccumulative potential:** No data available.

**Persistence and Degradability:** No data available.

**Results of PBT and vPvB assessment:** PBT: Not applicable. vPvB: Not applicable.

**Other adverse effects:** No data available.

## 13. Disposal Considerations

### Safe handling and methods of disposal

Small quantity can be disposed of as household waste. As for big quantity, Recycle if possible. Observe all federal, state, and local environmental regulations. Offer surplus and non-recyclable products to a licensed disposal company.

## 14. Transport Information

### ADR/RID Information

**ADR-UN Number:** Not classified for transport

**ADR-Class:** Not classified for transport

**ADR-Shipping Name:** Not classified for transport

**ADRPacking Group:** Not classified for transport

### IATA/ICAO Information

**IATA-UN Number:** Not classified for transport

**IATA-Class:** Not classified for transport

**IATA-Shipping Name:** Not classified for transport

**IATA-Label:** None

**IATA-Packing Group:** Not classified for transport

**IATA-S.P.:** None

**IATA-ERG:** None

# Material Safety Date Sheet

MSDS No.: 60061687

Creation Date: September 10, 2019

Page 5 of 6

## IMO/IMDG Information

**IMDG-Marine Pollutant:** No

**IMDG-UN Number:** Not classified for transport

**IMDG-Class:** Not classified for transport

**IMDG-Shipping Name:** Not classified for transport

**IMDG-Packing group:** Not classified for transport

**IMDG-Storage Category:** Not classified for transport

## 15. Regulatory Information

### International Regulations

#### EU Regulations

**Classification according to 67/548/EEC or 1999/45/EC**

Not classified

**Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]**

Not classified.

#### US Regulations

**TSCA Inventory Status:** All of the components of this product are listed or exempt from the TSCA inventory.

**OSHA:** None of the components in this product are considered highly hazardous by OSHA.

**Health & Safety Reporting List:** None of the components are on the Health & Safety Reporting List.

#### Canadian Regulations

**DSL /NDSL Status:** All components of this product are on the Canadian DSL list.

## 16. Other Information

**Abbreviations:** pH - Relates to hydrogen ion concentration - this value will relate to a scale of 0 - 14, where 0 is highly acidic and 14 is highly alkaline

OSHA- Occupational Safety and Health Administration

NTP – National Toxicology Program

IARC- International Agency for Research on Cancer

CAS# - Chemical Abstract Service number - used to uniquely identify chemical compounds

ACGIH – The American Conference of Governmental Industrial Hygienists

ADR –Agreement on Dangerous Goods by Road

RID – Regulations Concerning the International Carriage of Dangerous Goods by Rail

ICAO –International Civil Aviation Organization

IMDG - International Maritime Dangerous Goods

IMO – International Marine Organization

#### Further Information:

-This safety data sheet was prepared in accordance with UN GHS Rev.6, The EU CLP REGULATION

# Material Safety Data Sheet

MSDS No.: 60061687

Creation Date: September 10, 2019

Page 6 of 6

(EC) No 1272/2008, and ANSI Z400.1.

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\*\*\*\*\*End\*\*\*\*\*