



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.: 66541959
Issue Date: August 11, 2018

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



David Chen
Approved signatory

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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 ₂	1314-23-4	90-95
Yttrium oxide Y ₂ O ₃	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.

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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

General Information

Form:	Solid
Color:	White

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

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.

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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

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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

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

--This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

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