



## **Qinhuangdao Silide Ceramic Technology Co.,Ltd**

Add: No.1, Yanghe Rd, Q ETDZ, Hebei Pro, China. Zip:066000

Tel:+86-335-7675801

Fax:+86-335-7675824

silidezirconia@foxmail.com

www.silidechina.com

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### **Material Safety Data Sheet**

#### **Section 1 Product Identification And General Information**

##### **Product identifier**

Trade name/designation: Dental Zirconia Ceramic

Relevant identified uses of the substance or mixture and uses advised

Relevant identified uses: Dental Material

Uses advised against: No information

##### **General information**

Edition: 4th August, 2020

#### **Section 2 Identification Of The Manufacturer/Undertaking**

##### **Manufacturer /supplier**

Qinhuangdao Silide Ceramic Technology Co., Ltd

Add: No.1, Yanghe Rd, Qinhuangdao Economic and Technological Development Zone, Hebei Pro, China. Zip:066000

Tel: +86-335-7675801

Fax:+86-335-7675824

Email:silidezirconia@foxmail.com

Web: <http://www.silidechina.com>

##### **Information offer**

Manufacturer

#### **Section 3 Hazards Identification**

##### **Classification of the mixture**

GHS classification:

Not classified.

##### **Label elements**



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**Hazard pictograms:**

No pictogram

**Signal word:**

No signal word

**Hazard statements:**

No statement

**Precautionary statements:**

No statement

**Section 4 Composition / Information On Ingredients**

**Description of the mixture** —

**Hazardous ingredients** No hazard ingredient

**Section 5 First Aid Measures**

**Description of first aid measure**

General notes Get immediate medical advice/attention.

If on skin Wash with plenty soap and water.

If inhaled Remove victim to fresh air and keep at rest in a position comfortable for breathing.

If swallowed Call a POISON CENTER or doctor/physician if you feel unwell.

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

Notes for the doctor Pass on all available product information.

**Most important symptoms and effects, both acute and delayed.**

No information

**Indication of immediate medical attention and special treatment needed.**

No information



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### **Section 6 Fire-Fighting Measures**

#### **Extinguishing media**

##### **Suitable extinguishing media**

Water-spray, CO<sub>2</sub>, powder, sand or foam, etc.

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

##### **Unusable extinguishing media**

No information available.

##### **Special hazards arising from the substance or mixture**

##### **Hazardous combustion products:**

There is a possibility that the gas with stimulation or toxicity is produced depending on the kind of a fire.

##### **Advice for fire-fighters:**

If it is not very dangerous, move containers from a fire in the surrounding area.

During extinction, wear a suitable heat-resistant protective suits against chemicals and self contained breathing apparatus.

Extinguish fire by pouring or spreading extinguishing media on the origin of a fire. Extinguish fire from windward side as much as possible.

Extinguish fire by the method of covering tightly or suffocation is preferable.

Even after extinction, cool down containers by using plenty of water.

### **Section 7 Accidental Release Measures**

#### **Personal precautions, protective equipment and emergency procedures**

##### **For non-emergency**

Protective equipment      Operators wear suitable protective equipment refer to section8 and avoid inhalation and contact with eyes and skin.



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Removal of ignition sources, provision of sufficient ventilation, control of dust

Remove every source of ignition immediately. (Prohibit smoking, using sparks and flames nearby this product.) Ventilate for exhaust to keep concentration in air below a limit of exposure.

Emergency procedures Isolate this product immediately and keep proper distance to every direction as released area.

Stop leakage, if it is not dangerous. Isolate this product immediately and keep proper distance to every direction as released area.

Indicate that only authorized people can enter.

Do not touch released product and walk on it.

### For emergency responders

Wear a chemical protective clothing.

### Environmental Precautions

Prevent inflow into ditches, sinks, basements or closed places. Take notice not to discharge this product to rivers etc. and not to affect environment.

### Methods and material for containment and cleaning up

For containment Keep container tightly closed.

For cleaning up If the amount of leakage is small, absorb it by dried sand, soil, sawdust and waste paper and collect it into a tightly covered container made of metal.

Other information No information

Reference to other sections See section 9 and 14.

Additional information No information.

## Section 8 Handling And Storage

### Precautions for safe handling

### Information on safe handling

Take measure against equipments written in section 9 and wear protective equipment. Exhaust



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locally and ventilate totally as written in section 9.

### **To prevent handling of incompatible substances or mixtures**

Avoid contact with incompatible materials. Please refer to section 11.

### **To minimize the release to the environment**

Take notice not to discharge this product to rivers etc. and not to affect environment.

### **Advice on general occupational hygiene**

Obtain Instructions before using this product.

Do not handle products until you have read and understood every instruction for safety.

To prevent exposure, wear protective during operation.

Watch out for fire.

Prohibit using heated substances, sparks and fire on the periphery of this product.

Ventilate for exhaust to keep concentration in air below a limit of exposure.

Avoid inhaling dust and fume.

Do not touch, inhale or swallow this product.

Do not take polluted work clothes out of workshops.

Do not drink, eat or smoke during using this product.

Use this product only outside or well ventilated area.

Wash hands well after handling this product.

Avoid emitting this product to environment.

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

#### **Technical measures and storage conditions**

Store in dried and properly ventilated place.

Install equipments for lighting and ventilation which are necessary for handling and storing dangerous goods in a storage place.

#### **Packaging materials**

If containers are stipulated in transportation regulations of containers United Nations.

Requirements for storage rooms and vessels



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Store apart from dangerous substance to mix and touch.

Seal a container and store it in a well ventilated and cool place.

It is preferable to store a container in a locked place.

### **Further Information on storage conditions**

No information

### **Specific end use(s)**

### **Recommendations**

No information

### **Industrial sector specific solutions**

No information

## **Section 9 Exposure Controls/Personal Protection**

### **Control parameters**

### **Occupational Exposure limit values**

No Information

### **Exposure controls**

#### **Appropriate engineering controls**

When the mists are generated, the ignition source is made to seal up, and the exhaust device is installed. Install ventilation facility if dust and fume occurs during hot heated processes.

#### **Personal protection equipment**

Eye and face protection : Use appropriate protectors for eyes.

Skin protection

Hand protection : Use appropriate protective gloves.

Body protection : Use appropriate protective clothes and masks if necessary.

Other protection : —

Respiratory protection : Wear appropriate respiratory protection.

Thermal hazards : —



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### Section 10 Physical And Chemical Properties

Physical state, shape and colors etc.	White blocks
Odor	No odor
pH	No data
Melting point/coagulation point	No data
Boiling point	No data
Flash point	No data
Explosive range	No data
Vapor pressure	No data
Vapor density(air=1)	No data
Relative density (density)	No data
Solubility	No data
Partition coefficient: octanol/ water	No data
Auto-ignition temperature	No data
Decomposition temperature	No data
Limit value of odor	No data
Vaporization speed (butyl acetate=1)	No data
Combustion Characteristics (solid and gas)	No data
Viscosity	No data

### Section 11 Stability And Reactivity

#### Reactivity

Not in particular.

#### Chemical Stability

Stable, if it is use and a storage method described in this MSDS.

#### Possibility of hazardous reactions



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Not in particular.

**Conditions to avoid**

Not in particular.

**Incompatible materials**

No data

**Hazardous decomposition product**

No data.

**Section 12 Toxicological Information**

**Acute Toxicity**

No information available

**Skin corrosion/irritation**

No information available

**Serious eye damage/irritation**

No information available

**Respiratory or skin sensitization**

No information available

**Germ cell mutagenicity**

No information available

**Carcinogenicity**

No information available

**Reproductive toxicity**

No information available

**STOT-single exposure**

No information available

**STOT-repeated exposure**

No information available





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**Aspiration hazard**

Not applicable.

**Section 13 Ecological Information**

**Toxicity**

No information available

**Persistence and degradability**

No information available

**Bioaccumulative potential**

No information available

**Mobility in soil**

No information available

**Other adverse effects**

No information

**Section 14 Disposal Considerations**

**Waste treatment methods**

**Product/ Packaging disposal**

In disposal, follow relevant regulations and standards of municipalities. If industrial waste disposer permitted by governors or regional public organization handle disposition, commit it to them.

If you commit a disposal of waste, notify sufficiently disposer of risk and harmfulness beforehand.

Clean and recycle containers or dispose them properly based on relative regulations and standards of municipalities.

When empty containers are disposed, its content must be removed completely.

**Waste treatment options**

Dispose of waste according to applicable local, state, federal laws and regulations.

**Sewage disposal options**



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Do not discharge to a water source.

### **Other disposal recommendations**

No information

### **Additional information**

No information

## **Section 15 Transport Information**

**Road/Rail(ADR/RID)** Not subject to ADR/RID.

**Sea transport (IMDG)** Not subject to IMDG code.

**Air transport (IATA)** Not Subject to IATA regulations.

## **Section 16 Regulatory Information**

**This MSDS is according to Globally Harmonized System of Classification and Labeling of Chemicals (GHS).**

**Use in accordance with local/regional/national/international regulations.**

## **Section 17 Other Information**

### **Indication of changes and preparation date**

Preparation date 1th August, 2013

### **Abbreviations and acronyms**

ACGIH American Conference of Governmental Industrial Hygienists

ATE Acute Toxicity Estimate

CAS No. Chemical Abstract Service number

EC No. EINECS and ELINCS Number

EINECS European Inventory of Existing Commercial Substances

ELINCS European List of notified Chemical Substances

GHS Globally Harmonized System



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LC50	Lethal concentration, 50%
LD50	Median Lethal Dose
MSDS	Material Safety Data Sheet
MITI No.	Ministry of International Trade and Industry Number
OEL	Occupational Exposure Limit
STOT	Specific Target Organ Toxicity
(STOT) RE	Repeated Exposure
(STOT) SE	Single Exposure
TWA	Time Weighted Average

**Handling of information given in this MSDS**

Information given in this MSDS may be insufficient for not all records and references were investigated. Its content can be changed due to release of new data and correction of conventional theories. Therefore, when you use this MSDS for an important decision, it is recommended to check its content by running tests or to study its references carefully. We also do not guarantee the number about the content, physical or chemical properties. Notes are applicable to normal handling and care must be taken in case of special handling.

*Lou Chunhua*