



# M S D S

## MATERIAL SAFETY DATA SHEET

**Prepared for:** Changsha Honchon Technology Co.,LTD.

Changsha Honchon Technology Co.,LTD, International industry park, HN  
province ,410014,China.

**Prepared by:** Shenzhen CTB Testing Technology Co., Ltd.

1&2/F., Building A, No.26, Xinhe Road, Xinqiao, Xinqiao Street, Bao'an  
District, Shenzhen, Guangdong, China

**Issue date:** Dec 25, 2023

**Report number:** CTB231225010CSX

**Written by:** 

**Approved by:**   


**Shenzhen CTB Testing Technology Co., Ltd.**

1&2/F., Building A, No.26, Xinhe Road, Xinqiao, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, China

Tel: 4008-707-283

Email: [ctb@ctb-lab.net](mailto:ctb@ctb-lab.net)

Web: <http://www.ctb-lab.net>

Page 1 of 8

# Material Safety Data Sheet

## Section 1-Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identification

**Product Name:** Zirconia Block

**Product model:** 98/95/92\*75 10mm/12mm/14mm/16mm/18mm/20mm/22mm/25mm/30mm

**Trademark:** Honchon Smile



### 1.2 Product recommendations and restricted uses

**Product determine uses:** /

### 1.3 Manufacturer Information

**Manufacturer's name:** Changsha Honchon Technology Co.,LTD.

**Manufacturer's address:** Changsha Honchon Technology Co.,LTD, International industry park, HN province ,410014,China.

**Telephone:** 13055185196

**FAX:** /

**E-mail:** Info@honchon.com



## Material Safety Data Sheet

**Section 2- Hazards Identification**

**2.1 Hazard classification:** According to the 9<sup>th</sup> edition of the Globally Harmonized Classification and Labeling System (GHS) of chemicals, it is not a hazardous substance.

**2.2 Label elements:** No label elements are required.

**2.3 Other hazards**

**Physical and chemical hazards:** No relevant detailed information.

**Health hazards:** No relevant detailed information.

**Environmental hazards:** No relevant detailed information.

**Section 3- Composition/Information on Ingredient**

Chemical Name	CAS No.	Concentration(%)
Zirconium dioxide (ZrO <sub>2</sub> ) (ZrO <sub>2</sub> + HfO <sub>2</sub> + Y <sub>2</sub> O <sub>3</sub> )	1314-23-4	≥99
Hafnium oxide(HfO <sub>2</sub> )	12055-23-1	≤0.5
Yttrium oxide(Y <sub>2</sub> O <sub>3</sub> )	1314-36-9	≤4.5-6
Aluminum oxide (AL <sub>2</sub> O <sub>3</sub> )	1344-28-1	≤0.5
Other oxide	/	≤0.5

**Section 4- First Aid Measures**

**Skin exposure:** Take off contaminated clothing and rinse thoroughly with soap and water. If skin irritation or skin irritation occurs, rinse with plenty of water and take medical measures if necessary.

**Eyes touch:** Separate the eyelids and rinse with running water or saline. If there is still swelling, pain or discomfort, seek medical attention as soon as possible.

**Inhalation:** Generally not applicable, pay attention to air circulation during use. If there is any discomfort, please transfer to a place with fresh air to ensure safety.

**Ingestion:** Rinse mouth and prohibit vomiting. Seek medical attention immediately.

**Section 5- Fire Fighting Measures**

**Extinguishing method and extinguishing agent:** Use water mist, alcohol-resistant foam, dry powder or carbon dioxide to extinguish the fire.

# Material Safety Data Sheet

**Hazardous characteristics:** Carbon oxides.

**Fire protection measures:** Firefighters must wear self-contained breathing apparatus and full-body firefighting suits to put out fires in the upwind direction. Isolate the scene of the accident and prohibit irrelevant personnel from entering. If the container in the fire scene has changed color or made a sound from the safety relief device, it must be evacuated immediately. Under safe conditions, contain and treat firefighting water to prevent environmental pollution. Move the container from the fire scene to an open place as much as possible.

## Section 6- Accidental Release Measures

**Protective measures, protective equipment and emergency procedures for workers:** There are no specific recommendations. See Section 8 for personal protection.

**Environmental protection measures:** No special environmental protection requirements.

**Emergency treatment of leakage:** Not applicable, collect, reuse or recycle product if possible.

## Section 7- Handling and Storage Measures

**Precautions for safe operation:** No special requirements, place it out of reach of children and avoid contact with eyes.

**Storage conditions:** Store in a cool place. Keep the container tightly closed and store in a dry and ventilated place.

## Section 8- Exposure Controls/Personal Protection

**Maximum permissible concentration:** No standard.

**Monitoring method:** No information.

**Engineering controls:** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of work.

**Eye protection:** Generally do not need special protection.

**Body protection:** Generally do not need special protection.

**Hand protection:** Generally do not need special protection.

**Breath protective:** Generally do not need special protection.

**Health control:** Smoking, eating and drinking water are prohibited at the workplace. After work, shower and change clothes. Maintain good hygiene.



## Material Safety Data Sheet

**Section 9- Chemical and Physical Properties**

Appearance and traits	No data	Odour	No data
Melting point (°C)	No data	Relative density (g/cm <sup>3</sup> )	No data
Flash point (°C)	No data	Boiling point (°C)	No data
Auto-ignition temperature (°C)	No data	pH	No data

**Section 10- Stability and Reactivity**

**Reactivity:** It is very stable at room temperature and will not cause dangerous reactions under normal conditions of use.

**Stability:** This product is stable for storage and use at normal ambient temperature.

**Forbidden compound:** Strong oxidants.

**Avoid contact condition:** Open flame, high heat.

**Polymerization hazard:** No data.

**Hazardous decomposition products:** Carbon oxides may be produced on combustion.

**Section 11- Toxicological information****Acute toxicity**

Chemical Name	LD50 (oral)	LD50 (Percutaneous)	LC50 (Inhalation)
All components	No data available	No data available	No data available

**Carcinogenicity**

Chemical Name	CAS No.	IARC	NTP
All components	/	Not listed	Not listed

**Other information**

Skin corrosion/irritation: No details are available.

Serious eye injury/eye irritation: No details are available.

Skin allergy: No details are available.

Respiratory sensitization: No details are available.

Reproductive toxicity: No details are available.

Specific target organ toxicity (single exposure): No details are available.

Shenzhen CTB Testing Technology Co., Ltd.

1&2/F., Building A, No.26, Xinh Road, Xinqiao, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, China

Tel: 4008-707-283

Email: [ctb@ctb-lab.net](mailto:ctb@ctb-lab.net)

Web: <http://www.ctb-lab.net>

## Material Safety Data Sheet

Specific target organ toxicity (repeated exposure): No details are available.

Inhalation hazard: No details are available.

Germ cell mutagenicity: No details are available.

Potential harmful effects:

Inhalation: Generally not applicable.

Ingestion: Generally not applicable.

Skin: Generally not applicable.

Eyes: Irritating to the eyes.

### Section 12- Ecological Information

#### 12.1 Ecological toxicity

No data available.

#### 12.2 Persistence and degradability

No data available.

#### 12.3 Potential bioaccumulation

No data available.

#### 12.4 Mobility in soil

No data available.

#### 12.5 Result evaluation of PBT and vPvB

Not part of PBT and vPvB.

#### 12.6 Other environmental harmful effects

No data available.

### Section 13- Disposal Considerations

**Discarded chemicals:** Must be disposed in accordance with local and national laws and regulations. Recycle as much as possible or transfer it to a licensed chemical destruction plant.

**Contaminated packaging:** Return the container to the manufacturer or dispose of it in accordance with national and local regulations.

**Disposal precautions:** Please refer to relevant national and local regulations before disposal. See Section 8 for safety precautions for disposal personnel.



## Material Safety Data Sheet

### Section 14 – Transport Information

**Dangerous goods code:** No regulated.

**UN code:** No regulated.

**Package mark:** No regulated.

**Packaging categories:** No regulated.

**Packaging Methods:** No regulated.

#### Attentions for Transportation:

THE CONSIGNMENT IS NOT CLASSIFIED AS DANGEROUS UNDER THE 64<sup>th</sup> EDITION OF THE IATA DANGEROUS GOODS REGULATIONS AND ALL APPLICABLE CARRIER AND GOVERNMENTAL REGULATIONS. Under current regulations, international road transport of dangerous goods (ADR), international railway dangerous goods transport (RID), international maritime dangerous goods code (IMDG), international air transport association (IATA) regulations, the product is not dangerous.

### Section 15- Regulatory information

《Dangerous Goods Regulation》

《Recommendations on Transport of Dangerous Goods Model Regulations》

《International Maritime Dangerous Goods》

《Technical Instructions for the Safe Transport of Dangerous Goods》

《Classification and code of dangerous goods》

《Occupational Safety and Health Act》 (OSHA)

《Toxic Substances Control Act》 (CPSA)

《Federal Environmental Pollution Control Act》 (FEPCA)

《The Oil Pollution Act》 (OPA)

《Superfund Amendments and Reauthorization Act III(302/311/312/313)》 (SARA)

《Resource Conservation and Recovery Act》 (RCRA)

《Safety Drinking Water Act》 (CWA)

《California Proposition 65》

《Code of Federal Regulations》 (CFR)

In accordance with all Federal, State and local laws.



## Material Safety Data Sheet

### Section 16- Other Information

The above information is based on the data of which we are aware and is believed to be correct as of the data hereof. Since this information may be applied under conditions beyond our control and with which may be unfamiliar and since data made available subsequent to the data hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

*Prepared By Shenzhen CTB Testing Technology Co., Ltd.*

\*\*\*\*\* *End of document* \*\*\*\*\*