

# Safety Data Sheet

## Elastomeric Impression Material

Type 0 (Putty / Hand-Mix) – Catalyst

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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

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

#### 1.3. Details of the supplier of the safety data sheet

Company Name: Shandong Huge Dental Material Corporation  
Address: No.68 shanghai Road, Donggang District  
City, State, Zip Code: Rizhao City, Shandong Province, 276800, P.R.China  
Telephone: 86-633-2277268  
email address: marketing@hugedental.com  
Website: www.hugedental.com

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Health hazards

**Inhalation:** Quartz : When encapsulated in polymer, it is not expected to pose a health hazard when processed under normal conditions of use.

**Eye contact:** No specific symptoms noted.

**Skin contact:** No specific symptoms noted.

**Ingestion:** No specific symptoms noted.

**Other Health Effects:** No other information noted.

**Environmental hazards:** Not regarded as dangerous for the environment.

#### 2.2. Label elements

No risks worthy of mention.

#### 2.3. Other hazards

No risks worthy of mention. Please observe the information on the safety data sheet at all times.

### SECTION 3: Composition/information on ingredients

#### Chemical characterization

General information: Mixture of vinyl polysiloxane, fillers, additives.

#### Hazardous components

Chemical name	Concentration	CAS-No.	EC No.	REACH Registration No.	Notes
Cristobalite	<=55%	14464-46-1	238-455-4		#
White mineral oil (petroleum)	<=8%	8042-47-5			#
Kieselguhr, soda ash flux-calcined	<=3%	68855-54-9			

#### Classification:

Chemical name	Classification		Notes
Cristobalite	DPD:	Xn; R48/20	
White mineral oil (petroleum)	DPD:	Xn; R65	
	CLP:	Asp. Tox. 1;H304	
Kieselguhr, soda ash flux-calcined	DPD:	Xn; R48/20	

DPD: Directive 67/548/EEC.

CLP: Regulation No. 1272/2008.:

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### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### After inhalation

Not applicable

##### After contact with skin

Remove contaminated clothing and shoes. Wash with soap and water.

##### After contact with eyes

In the event of contact with the eyes, rinse thoroughly with clean water. Continue to rinse for at least 15 minutes.

##### After ingestion

Do not induce vomiting. Rinse mouth thoroughly.

##### Most important symptoms and effects, both acute and delayed

None known.

##### Indication of any immediate medical attention and special treatment needed

Hazards: No specific recommendations.

Treatment: No specific recommendations.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

##### Suitable extinguishing media

Extinguish with foam, carbon dioxide or dry powder. Water spray.

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

None known.

##### Advice for firefighters Special Fire Fighting Procedures

Water spray should be used to cool containers.

##### Special protective equipment for fire-fighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. See Section 8 of the MSDS for Personal Protective Equipment. Environmental Precautions.

#### 6.2. Environmental precautions

Collect spillage. Do not discharge into drains, water courses or onto the ground.

#### 6.3. Methods and material for containment and cleaning up

Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Container must be kept tightly closed. Absorb with sand or other inert absorbent. To clean the floor and all objects contaminated by this material, use an appropriate solvent. Flush area with plenty of water. Incinerate in suitable combustion chamber.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

No specific precautions.

#### 7.2. Conditions for safe storage, including any incompatibilities

No special storage precautions noted. Material is stable under normal conditions. Avoid contact with oxidizing agents. Suitable containers: polyethylene. Plastic lined steel drum.

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### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Occupational exposure limits

Quartz : When encapsulated in polymer, it is not expected to pose a health hazard when processed under normal conditions of use.

Chemical name	Type	Exposure Limit values	Source
White mineral oil (petroleum) - Inhalable fraction.	TWA	5 mg/m3	Italy. OELs (2009)

#### 8.2. Exposure controls

##### General information:

No specific precautions.

##### Eye/face protection:

Safety Glasses

##### Skin protection:

Hand protection: Use protective gloves made of: Nitrile. Polyvinyl chloride (PVC). Rubber or plastic.

##### Other:

No skin protection is ordinarily required under normal conditions of use. In accordance with good industrial hygiene practices, precautions should be taken to avoid skin contact.

##### Respiratory Protection:

No specific precautions.

##### Hygiene measures:

Provide eyewash station and safety shower.

##### Environmental Controls:

No data available.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

##### Appearance

Physical State:	Paste
Form:	No data available.
Color:	White
Odor:	Odorless
Odor Threshold:	No data available.
pH:	Not applicable
Melting Point:	No data available.
Boiling Point:	No data available.
Flash Point:	> 200 °C (Closed cup according to method ASTM D-56.)
Evaporation Rate:	No data available.
Flammability (solid, gas):	No data available.
Flammability Limit - Upper (%)-:	No data available.
Flammability Limit - Lower (%)-:	No data available.
Vapor pressure:	< 0,1 hPa (20 °C)
Vapor density (air=1):	No data available.
Relative density:	1,55 (20 °C) Approximate
Solubility(ies)	
Solubility in Water:	Practically Insoluble
Solubility (other):	Diethylether.: Miscible (in all proportions).
Common organic solvents.:	Miscible (in all proportions).
Aromatic hydrocarbons.:	Miscible (in all proportions).
Aliphatic hydrocarbons.:	Miscible (in all proportions).
Acetone.:	Very slightly soluble.

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Ethanol.: Very slightly soluble.  
 Partition coefficient (n-octanol/water): No data available.  
 Autoignition Temperature: > 400 °C  
 Decomposition Temperature: > 200 °C  
 Viscosity: No data available.  
 Explosive properties: No data available.  
 Oxidizing properties: According to the data on the components Not considered as oxidizing. (evaluation by structure-activity relationship)

### SECTION 10: Stability and reactivity

#### 10.1.Reactivity

Not relevant.

#### 10.2.Chemical stability

Stable

#### 10.3.Possibility of hazardous reactions

No data available.

#### 10.4.Conditions to avoid

No other information noted.

#### 10.5.Incompatible materials

Strong oxidizing agents.

#### 10.6.Hazardous decomposition products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors. Amorphous silica.

### SECTION 11: Toxicological information

#### 11.1. Information on likely routes of exposure

Inhalation: No effects expected (assessment based on ingredients).  
 Ingestion: No effects expected (assessment based on ingredients).  
 Skin contact: No effects expected (assessment based on ingredients).  
 Eye contact: No effects expected (assessment based on ingredients).

#### 11.2.Information on toxicological effects

##### Acute toxicity

Oral:  
 Product: No effects expected (assessment based on ingredients).  
 Dermal:  
 Product: No effects expected (assessment based on ingredients).

##### Specified substance(s):

Cristobalite No data available.  
 White mineral oil (petroleum) No data available.  
 Kieselguhr, soda ash fluxcalcined No data available.

##### Irritation and corrosivity

Product: No effects expected (assessment based on ingredients).  
 Repeated dose toxicity:  
 Product: No effects expected (assessment based on ingredients).  
 Skin corrosion/irritation:  
 Product: No effects expected (assessment based on ingredients).  
 irritation:  
 Product: No effects expected (assessment based on ingredients).  
 Respiratory or skin sensitization:  
 Product: No effects expected (assessment based on ingredients).

##### Germ cell mutagenicity

In vitro:  
 Product: No effects expected (assessment based on ingredients).  
 In vivo:  
 Product: No effects expected (assessment based on ingredients).

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Carcinogenicity:  
Product: No effects expected (assessment based on ingredients).  
Reproductive toxicity:  
Product: No effects expected (assessment based on ingredients).  
Specific target organ toxicity - single exposure:  
Product: No effects expected (assessment based on ingredients).  
Specific target organ toxicity - repeated exposure:  
Product: No effects expected (assessment based on ingredients).  
Aspiration hazard:  
Product: No effects expected (assessment based on ingredients).  
Other adverse effects: None known.

### SECTION 12: Ecological information

#### 12.1. Toxicity

Acute toxicity:  
Fish:  
Product: No effects expected (assessment based on ingredients).  
Aquatic invertebrates:  
Product: No effects expected (assessment based on ingredients).  
Chronic Toxicity:  
Fish:  
Product: No effects expected (assessment based on ingredients).  
Aquatic invertebrates:  
Product: No effects expected (assessment based on ingredients).  
Toxicity to Aquatic Plants:  
Product: No effects expected (assessment based on ingredients).

#### 12.2. Persistence and degradability

Biodegradation:  
Product: Not applicable  
BOD/COD ratio:  
Product: No data available.  
Specified substance(s):  
Cristobalite: No data available.  
White mineral oil (petroleum): No data available.  
Kieselguhr, soda ash fluxcalcined: No data available.  
Bioaccumulation potential: No data available

#### Further information

If the material causes hormonal effects or prevents them is unknown to us.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### General information

The user's attention is drawn to the possible existence of local regulations regarding disposal.

##### Disposal Methods

Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. Incinerate in suitable combustion chamber. Contaminated packages should be as empty as possible. Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. Recycle following cleaning or dispose of at an authorised site.

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### SECTION 14: Transport information

None

### SECTION 15: Regulatory information

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

##### National regulatory information

Chemical safetyassessment:No data available.

### SECTION 16: Other information

No further technical information

The present data sheet contains technical-scientific information processed at best of our knowledge. We recommend verifying national and regional regulations applicable to the specific utilize field as well as regulations relative hygienic and safety on work and environment worship.

All information contained in the present data sheet is correct and processed in good faith. However they do not involve any obligation, guarantee and patent concession.

The characteristics mentioned in the following document do not constitute contractual specifications.