Safety Data Sheet

Product Name：Elastomeric Impression Material – Type 1 - Heavy Body Dispenser-Mix - Clear - Catalyst
Referde to GB/T16483、GB/T17519
Revision date：/ SDS number：HGD/QT-PVS-14-16
Initial Preparation Date : Aug. 18th, 2026 Version：00

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

Chinese names of chemicals :弹性体印模材料-1 型-重体枪混-透明-催化剂
English names of chemicals: Elastomeric Impression Material – Type 1 - Heavy Body Dispenser-Mix - Clear - Catalyst
Product identifier (EU): Elastomeric Impression Material – Type 1 - Heavy Body Dispenser-Mix - Clear - Catalyst
Company Name: Shandong Huge Dental Material Corporation
Address: No.68 shanhai Road, Donggang District Rizhao City
City, State, Zip Code: Shandong Province, 276800, P.R.China
Telephone:86-633-2277268
Website:www.hugedental.com
Relevant identified uses of the substance or mixture and uses advised against: The Product is an addition-cure vinyl polysiloxane dental impression material that is used for all crown and bridge, edentulous, orthodontic and implant impression techniques.

SECTION 2: Hazards identification

Classification of the substance or mixture
The product has been classified according to the legislation in force.
Classification according to Directive 67/548/EEC or 1999/45/EC as amended
Xn; R48/20
Hazard summary
Physical hazards: Combustible.
Health hazards
Inhalation: No specific symptoms noted.
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.
Label elements
No risks worthy of mention.
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（75-90%）, additives（10.02-27%）.
Hazardous components

None

SECTION 4: 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

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

Personal precautions, protective equipment and emergency procedures

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

Environmental precautions

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

Methods and material for containment and cleaning up

Containers with collected spillage must be properly labeled 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

Precautions for safe handling

No specific precautions.

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.

SECTION 8: Exposure controls/personal protection

Occupational exposure limits

No specific precautions.

Exposure controls

General information: No specific precautions.

Eye/face protection: Safety Glasses

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 betaken 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

Appearance

Physical State:	Paste
Form:	No data available.
Color:	Transparent with a little bit dark
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:	1,00(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.

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

Reactivity: Not relevant.
Chemical stability: Stable
Possibility of hazardous reactions: No data available.
Conditions to avoid: No other information noted.
Incompatible materials: Strong oxidizing agents.
Hazardous decomposition products: Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors. Amorphous silica

SECTION 11: Toxicological information

Acute toxicity: No effects expected (assessment based on ingredients).
Skin corrosion/irritation: No effects expected (assessment based on ingredients)
Irritation and corrosivity： No effects expected (assessment based on ingredients)
Germ cell mutagenicity: No effects expected (assessment based on ingredients).
Carcinogenicity: No effects expected (assessment based on ingredients).
Reproductive toxicity: No effects expected (assessment based on ingredients).
Specific target organ toxicity - single exposure: No effects expected (assessment based on ingredients).
Specific target organ toxicity - repeated exposure: No effects expected (assessment based on ingredients).
Aspiration hazard: No effects expected (assessment based on ingredients).
Other adverse effects: None known.

SECTION 12: Ecological information

Ecological Toxicity： No effects expected (assessment based on ingredients).
Persistence and degradability： Not applicable

Bioaccumulation potential: No data available

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

SECTION 13: Disposal considerations

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.

SECTION 14: Transport information

Optimal storage and transportation conditions:

At cool place with temperature of 5-25 ℃ , humidity of less than 50%, avoiding direct sunlight and exposure.

The following items cannot be transported together with silicone：

Materials containing nitrogen compounds, phosphorus compounds, arsenic compounds, antimony compounds, sulfur compounds, selenium compounds, germanium compounds, etc., such as rubber products.

Strong oxidizing gases, such as ozone, chlorine, etc.

Heavy metal ion compounds, such as dibutyltin dilaurate, stannous chloride, lead oxide.

Compounds with unsaturated bonds, especially volatile vinyl and ethynyl compounds , such as propynyl alcohol and phenylacetylene.

Protection should be prepared in a humid environment.

SECTION 15: Regulatory information

National regulatory information

Chemical safety assessment: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.