

Safety Data Sheet

Casting Wax

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

1.1. Product identifier

Casting Wax

1.2. Recommended use of the chemical and restriction on use

Identified use: Dental application

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. GHS Classification

This materials is not considered hazardous under the OSHA Hazard Communication Standard (HazCom 2012).

2.2. GHS Label elements

This materials is not considered hazardous under the OSHA Hazard Communication Standard (HazCom 2012).

2.3. Other hazards

None known.

SECTION 3: Composition/information on ingredients

3.1. Mixtures

Chemical characterization: Mixture

Hazardous components

General information: Olefin ploymer, Titanuim dioxide.

Chemical name	CAS-No	Classification	Concentration (%)
OLEFIN POLYER	9002-88-4	Not a hazardous substance or mixture	99-100.00
TITANIUM DIOXIDE(TIO ₂)	13463-67-7	Not a hazardous substance or mixture	0-1.00

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice: No hazards which require special first aid measure.**If inhalation**

If breathed in, move person into fresh air. If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

If case of skin contact

First aid is not normally required. However, it is recommended that exposed areas be cleaned by washing with soap and water. If symptoms persist, call a physician.

If case of eye contact

Flush with water. Remove contact lenses. Protect unharmed eye. If symptoms persist, call a physician.

If swallowed

Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist,

Most important symptoms and effects, both acute and delayed: No symptoms or expected.**Notes to physician:** No hazards which require special first aid measures.



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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water spray. Foam. Carbon dioxide (CO₂). Dry chemical.

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

Specific hazards during firefighting

Do not allow run-off from fire fighting to enter drains or water courses.

Hazardous combustion products

Carbon dioxide and carbon monoxide.

Specific extinguishing methods

Product is compatible with standard fire-fighting agents.

Further information

Standard procedure for chemical fires.

Special protective equipment for firefighters

In the event of fire, water self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.

6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so.

6.3. Methods and material for containment and cleaning up

Keep in suitable closed containers for disposal.

6.4. Other information

Comply with all applicable federal, state, and local regulations

SECTION 7: Handling and storage

7.1. Advice on safe handling

Smoking, eating and drinking should be prohibited in the application area. For personal protection see section 8.

7.2. Conditions for safe storage

Electrical installations/working materials must comply with the technological safety standards.

7.3. Other information

No materials to be especially mentioned

SECTION 8: Exposure controls/personal protection

8.1. Components with workplace control parameters

Components	CAS-No	Value type(Form of exposure)	Control parameters/Permissible concentration	Basis
OLEFIN PLOYMER	9002-88-4	TWA	15 millions of particles per cubic foot of air. Respirable fraction.	Z3
		TWA	50 millions of particles per cubic foot of air. Total dust.	Z3
		TWA	5mg/m3.Respirable fraction.	Z3
		TWA	15mg/m3. Total dust.	Z3
TITANIUM DIOXIDE(TIO2)	13463-67-7	TWA	10mg/m3	ACGIH
		PEL	15mg/m3. Total dust.	OSHA TRANS
		TWA	10mg/m3. Total dust.	TN OEL
		TWA	1mg/m3. Respirable fraction	ACGIHLISP

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Engineering measures:

General room ventilation should be adequate for normal conditions of use. However, if unusual operating conditions exist, positive sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines(if applicable) or below levels that cause known, suspected or apparent adverse effects.

Personal protective equipment**Respiratory protection**

No personal respiratory protective equipment normally required.

Eye protection:

Wear chemical splash goggles and face shield when there is potential for exposure of the eyes or face to liquid, vapor or mist. Maintain eye wash station in immediate work area.

Skin and body protection:

Wear resistant gloves (consult your safety equipment supplier). Wear as appropriate: Safety shoes. Protective gloves and clothes.

Hygiene measures:

General industrial hygiene practice.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical State:	solid.
Color:	various.
Odor:	Odorless.
pH:	Not applicable.
Melting Point/freezing point:	112°C.
Boiling Point/boiling range:	No data available.
Flash Point:	No data available.
Evaporation Rate:	No data available.
Flammability (solid, gas):	Non-flammable solid.
Upper explosion limit:	No data available.
Lower explosion limit:	No data available.
Vapour pressure:	Not applicable.
Relative vapour density:	Not applicable.
Relative density:	No data available.
Density:	0.90 ± 0.5 g/cm ³
Solubility (ies) Water solubility:	No data available.
Solubility in other solvents:	No data available.
Partition coefficient: n-octanol/water:	No data available.
Thermal decomposition:	No data available.
Viscosity, dynamic:	Not applicable.
Viscosity, kinematic:	Not applicable.
Oxidizing properties:	No data available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No decomposition if stored and applied as directed.

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

Product will not undergo hazardous polymerization.

10.4 Incompatible materials

Strong oxidizing agents.

10.5. Hazardous decomposition products

No hazardous decomposition products are known.

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SECTION 11: Toxicological information

11.1. Information on likely routes of exposure

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

11.2. Information on toxicological effects

Acute toxicity

Not classified based on available information.

Components:

OLEFIN POLYMER:

Acute oral toxicity: LD 50(Rat):>3000mg/kg

TITANIUM DIOXIDE (TiO₂):

Acute oral toxicity: LD 50(Rat):>24000mg/kg

Acute inhalation toxicity: LC 50(Rat):>6820mg/m³

Exposure time: 4h

Acute dermal toxicity: LC 50(Rabbit):>10000mg/kg

Exposure time: 4h

Skin corrosion/irritation

Not classified based on available information.

Components:

OLEFIN POLYMER:

Result: Not irritating to skin

TITANIUM DIOXIDE (TiO₂):

Result: Possibly irritating to skin

Serious eye damage/eye irritation

Not classified based on available information.

Product:

Remarks: No data available

Components:

OLEFIN POLYMER:

Result: Not irritating to eyes

TITANIUM DIOXIDE (TiO₂):

Result: Possibly irritating to eyes

Respiratory or skin sensitization

Skin sensitization: Not classified based on available information

Respiratory sensitization: Not classified based on available information

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Not classified based on available information.

STOT-single exposure

Not classified based on available information.

Aspiration toxicity

Not classified based on available information.

Further information

Product:

Remarks: No data available

Components:

TITANIUM DIOXIDE (TiO₂):

Remarks: Lung

Carcinogenicity:

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IARC	Group 2B: Possibly carcinogenic to humans TITANIUM DIOXIDE (TiO ₂) 13463-67-7
OSHA	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA
NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP

SECTION 12: ECOLOGICAL INFORMATION

12.1 Ecotoxicity

Product:

Ecotoxicology Assessment

Acute aquatic toxicity: Not classified based on available information.

Chronic aquatic toxicity: Not classified based on available information.

TITANIUM DIOXIDE (TiO₂):

Toxicity daphnia and other aquatic invertebrates: EC 50 (Water flea (Daphnia magna)): >1000mg/l

Exposure time: 48 h

Test Type: static test

12.2. Persistence and degradability

No data available

Bioaccumulative potential: No data available

Mobility in soil: No data available

Other adverse effects: No data available

Product:

Additional ecological information: No data available

SECTION 13: Disposal considerations

13.1. Disposal Methods

Dispose of in accordance with all applicable local, state and federal regulations.

SECTION 14: Transport information

UN number: n.a.

class: n.a.

packaging group: n.a.

ocean harmful substances: n.a.

other relevant information: no hazardous good

SECTION 15: Regulatory information

SARA 311/312 Hazards: No SARA Hazards

SARA 313 Component (s) SARA 313: This materials does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313**California Prop. 65:** This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

The components of this product are reported in the following inventories:

TSCA: On TSCA Inventory

DSL: All components of this product are on the Canadian DSL

AUSTR: On the inventory, or in compliance with the inventory

ENCS: On the inventory, or in compliance with the inventory

KECL: On the inventory, or in compliance with the inventory

PHIL: On the inventory, or in compliance with the inventory

IECSC: On the inventory, or in compliance with the inventory

Inventories

AICS (Australia), DSL(Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL(Japan), KECI (Korea), NZLoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (USA)

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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.

Final determination of suitability of any materials is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein we cannot guarantee that these are the only hazards that exist.