

Product Name: Synthetic Polymer Teeth
Revision date: 2024.07.31
Initial Preparation Date :2017.08.01

Referde to GB/T16483、GB/T17519
SDS number: HGD/QT-RZY-87
Version: 01

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

Chinese names of chemicals :合成树脂牙

English names of chemicals:Synthetic Polymer Teeth

Company Name: Shandong Huge Dental Material Corporation

Address: No.68 shanghai Road, Donggang District Rizhao City

City, State, Zip Code: Shandong Province, 276800, P.R.China

Telephone:0633-2277285

Website:www.hugedental.com

Relevant identified uses of the substance or mixture and uses advised against:Suitable for denture production for patients with missing teeth.

SECTION 2: Hazards identification

GHS risk categories:Not applicable.

Label elements: Not applicable.

Physical and chemical hazards:This product is not flammable but will burn under fire conditions.

Health hazards:

Inhalation:No further information.

Eye contact: No further information.

Skin contact: Skin contact may cause sensitization.

Ingestion: No further information..

Other Health Effects: This product is a non-toxic polymer solid. Dust from polishing or grinding may cause eye or respiratory irritation.

Environmental hazards: Not regarded as dangerous for the environment.

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: PMMA(>90%), crosslinking agent& pigment(<10%).

Chemical name	Concentration	CAS-No.	Ec No	REACH Registration No.	Notes
PMMA	>90%	9011-14-7	-	-	-

SECTION 4: First aid measures

After inhalation: Wear a dust mask when sanding to avoid inhaling dust.

After contact with skin: Acrylic resin is prohibited for allergy, if you feel uncomfortable, please consult a doctor.

After contact with eyes: Seek medical attention if discomfort occurs.

After ingestion: If swallowed, seek medical attention.

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 water, foam, carbon dioxide or dry powder.

Precautions

Water spray should be used to cool containers.

Self-contained breathing apparatus and full protective clothing must be worn when entering the scene.

Isolate the accident scene and prohibit uninvolved persons from entering.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Eliminate all sources of ignition

Cut off the source of the leak if possible

Wear dust masks for disposal

Environmental precautions

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

Methods and material for containment and cleaning up

Sweep away or shovel away spills.

SECTION 7: Handling and storage

Precautions for safe handling

Avoid generating and inhaling dust.

Turn on ventilation when polishing or grinding. Wear a dust mask during operation.

Wash your hands thoroughly after polishing or grinding.

Clean up the site after the operation to minimize the accumulation of dust.

Conditions for safe storage, including any incompatibilities

Store in a well-ventilated room.

SECTION 8: Exposure controls/personal protection

Occupational exposure limits

PMMA :When processed under normal conditions of use, it is not expected to pose a health hazard.

Engineering control: No specific engineering control measures.

Personal Protective Equipment:

General information: No specific precautions.

Eye/face protection: Safety Glasses

Other: Under normal conditions of use, skin protection is generally not required.

Respiratory Protection: Dust mask.
Hygiene measures: Hand washing sinks are available.

SECTION 9: Physical and chemical properties

Appearance and properties:	a multi-colored solid, no obvious odor.
pH:	Not applicable
Melting Point:	No data available.
Boiling Point:	No data available.
Flammability point:	No data available.
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:	No data available.
Vapor density (air=1):	No data available.
Relative density:	No data available.
Solubility:	
Solubility in Water:	Insoluble in water
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Autoignition Temperature:	No data available
Decomposition Temperature:	No data available
Viscosity:	No data available.
Explosive properties:	No data available.
Oxidizing properties:	No data available.

SECTION 10: Stability and reactivity

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: Combustion may release carbon oxides, methyl methacrylate, irritating fumes and odors. Not hazardous when operated correctly.

SECTION 11: Toxicological information

Main components of the product: PMMA

Acute toxicity: No effects expected (assessment based on ingredients).

Skin corrosion/irritation: Allergic reactions have been reported in the population. Contraindicated in persons allergic to acrylic resins.

Respiratory or skin sensitization: prohibited for those who are allergic to acrylic resins

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

Waste treatment methods:

Recycle to the extent 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.

Contaminated packaging:

Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Precautions:

Remind user of possible local regulations regarding waste disposal.

See Section 8 for safety precautions for disposal personnel.

SECTION 14: Transport information

Packaging category:Transportation of non-dangerous goods

Packaging mark:



Packaging method: Corrugated carton

Marine pollutants (Yes/No): No.

Precautions for transportation:

It should be protected from exposure to sunlight and rain during transportation.

It should be kept away from fire, heat source and high temperature area during stopover.

SECTION 15: Regulatory information

National regulatory information

Chemical safety assessment:No data available

SECTION 16: Other information

Compared with the previous edition, the revised content:

1. Increase the version number

No further technical information

This data sheet contains technical-scientific information at our disposal. We recommend verifying the national and regional regulations applicable to the specific field, as well as the relevant work and environmental, and relevant health and safety regulations.

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