Safety Data Sheet

Light Cure Veneer Cement

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

1.1. Product identifier

Light Cure Veneer Cement

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

Light Cure Veneer Cement is used for permanent cementation of veneer made from materials of ceramic and composites.

1.3. Details of the supplier of the safety data sheet

Company Name: Rizhao HuGe Biomaterials Co., Ltd.
Address: 2 North Zhaoyang Road, Donggang District
City, State, Zip Code: Rizhao City, Shandong Province, China, 276800
Telephone: Tel: 86-633-2277268，Fax: 86-633-2277298
Email address: marketing@hugedental.com
Website: www.hugedental.com

SECTION 2: Hazards identification

2.1 Health Hazard

Emergency Overview
Specific Physical Form: Paste
Odor, Color, Grade: Resin odor, translucent appearance with specific color(s)
General Physical Form: Solid
Immediate health, physical, and environmental hazards: May cause allergic skin reaction. This document has been prepared in accordance with the U.S. OSHA Hazard Communication Standard, which requires the inclusion of all known hazards of the product or ingredients regardless of the potential risk. The risks of the hazards communicated in this document may vary depending on the potential for exposure.
Risk identification: None known

Special risks for human
Beings and environment: None known
Classification: Not hazardous. Those people known to be allergic to dental methacrylate resins should avoid the use of this product.

SECTION 3: Composition/information on ingredients

Element	CAS#	Exposure Limit (mg/m^3) OSHA PEL	ACGIH TLV
UDMA	74389-53-0	NE	NE
TEGDMA	109-16-0	NE	NE
EBPADMA	41637-38-1	NE	NE
Photo-initiators	mixture	NE	NE
Benzoyl Peroxide	94-36-0	5	5
Silane treated barium glass	None	N/A	N/A
Silane treated zirconium-silicate	None	N/A	N/A
Silica (amorphous)	69012-64-2	NE	2R
Polymerization additives	Various	NE	NE

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Chemical characteristics: paste form of light curable mixtures of dental methacrylate resins comprising of EBPADMA, UDMA, TEGDMA; inorganic fillers of silane-treated barium-boron-silicate glasses and zirconium-silicate, amorphous silica; with additives such as photo- and chemical curing initiators, stabilizers,opacifing and inorganic coloring agents.

SECTION 4: First aid measures

4.1 General Information:

After skin contact: Wash with plenty of soap and water.
After eye contact: Rinse with plenty of water and contact an ophthalmologist.
After swallowing: Seek medical advice immediately.

SECTION 5: Firefighting measures

Extinguishing media: CO_2, water, foam, dry chemical
Protective equipment: Common gear for small commodities.

SECTION 6: Accidental release measures

Personal precautions: Avoid skin contact, wear protective equipment.
Environmental precautions: Absorb with inert material. Collect in closed containers and dispose of as recommended.
Methods for cleaning up: Dispose according to Federal, State and local regulations.
Additional information: Unknown.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Use at room temperature. Practice good hygienic measures.

7.2. Conditions for safe storage, including any incompatibilities

Keep container closed; store between 2℃~25℃. Refrigeration when not in use is recommended; Store away from direct sunlight, oxidizing and/or reducing agents or other incompatible matters.

SECTION 8: Exposure controls/personal protection

Personal protective equipment: Protective gloves, goggles are recommended.
General Measure of protection: Normal hygienic measures.
Respiration: Not necessary
Hands: Protective gloves.
Eyes: OSHA approved goggles or glasses.

SECTION 9: Physical and chemical properties

9.1 Appearance:

Form: Paste
Color: Shaded
Odor: Ester-like

9.2 Information on change in the physical state

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Melting point/melting range:	Unknown
Boiling point/boiling range:	Unknown
Flash point:	Unknown
Auto-ignition temperature:	Unknown
Danger of explosion:	Unlikely
Density (combined):	Approximately 1.6 gm/cm^3
Vapor pressure:	Unknown
pH (combined):	Unknown
Solubility in/miscibility with water:	Slightly
Contents of solvents:	None
Content of Solids (combined) :	≥ 58 % by weight

SECTION 10 : Stability and reactivity

Incompatibility with other substances: Stable. Avoid exposure the material to peroxide, amine and excessive heat.
Hazardous decomposition products: Unknown.

SECTION 11 : Toxicological information

This product has been found complying with ISO 10993 for complete biocompatibility assessments based on the criteria of the test protocols.

SECTION 12 : Ecological information

General information: Unknown
Classification of water endangerment: Not determined

SECTION 13 : Disposal considerations

Dispose in accordance with Federal, State and local regulations.

SECTION 14 : Transport information

UN number:	None
class:	None
packaging group:	None
ocean harmful substances:	None
other relevant information:	Not classified as dangerous goods.Protect it against humidity .Store it away from food stuffs,acids,and bases.

SECTION 15: Regulatory information

311/312 Hazard Categories: Fire Hazard – No; Pressure Hazard – No; Reactivity Hazard – No; Immediate Hazard – Yes; Delayed Hazard – No

Classification according to EEC guidelines: Unknown

National Prescriptions: Unknown

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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.

The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.