

2. HAZARDS IDENTIFICATION

- Hazard Statement

H317 May cause an allergic skin reaction

H335 May cause respiratory irritation

H413 May cause long-lasting harmful effects to aquatic life

3. COMPOSITION/INFORMATION ON INGREDIENT

Names of ingredients	Synonym	CAS No.	Content (%)
Bisphenol A glycidyl methacrylate	Bis-GMA	1565-94-2	6 ~ 10
Triethylene glycol dimethacrylate	TEGDMA	109-16-0	1 ~ 4
Barium alumino silicate	Barium aluminosilicate	Proprietary	65 ~ 75
Silicon dioxide	Silicon dioxide	112945-52-5	5 ~ 10
etc.	-	-	> 0.03

4. FIRST AID MEASURES

A. When entered into eyes

Remove contact lenses and wash with plenty of water. If symptoms persist, seek medical attention.

In case of contact with substance, immediately wash skin and eyes with running water for more than 20 minutes.

B. When contacted with skin

Wash the skin with soap and water.

C. When inhaled

Move to a place with fresh air. If you are not feeling well, consult a doctor.

D. When consumed

Rinse your mouth and get medical attention if you are not feeling well.

E. Other medical precautions

Have medical personnel perceive the material and take protective measures.

5. FIRE FIGHTING MEASURES

A. a suitable (improper) extinguishing agent

A fire extinguishing agent suitable for common combustible materials, such as water or foam.

B. specific hazards arising from chemicals

Does not occur

6. ACIDENTAL RELEASE MEASURES

Use an absorbent material to wipe clean.

7. HANDLING AND STORAGE

Safe handling and storage	Use for only professional personnel.
	Use sanitary gloves and tools at the place of treatment.
	Do not consume or inhale the product.
	Store at 2~27°C/35~80 °F
	Avoid direct sunlight.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

A. Appropriate engineering management	Use local exhaust or do other engineering management to control the air level below the exposure standard.
B. Personal protective equipment	safety goggles and gloves

9. PHYSICAL/CHEMICAL PROPERTIES

A. External	
- Composition	Paste
- Color	Tooth Colored
B. Odor	Mild acrylic odor
C. Odor Threshold	No data
D. pH	No data
E. Melting point / Freezing point	No data
F. Initial boiling point and boiling point range	No data
G. Flash point	No data
H. Evaporation rate	No data
I. Flammability (solid, gas)	No data
J. Upper / lower limit of ignition or explosion	No data

9. PHYSICAL/CHEMICAL PROPERTIES

K. Vapor pressure	No data
L. Solubility	No data
M. Vapor density	No data
N. Specific gravity	2.073~2.075
O. n-octanol / water partition coefficient	No data
P. Natural ignition temperature	No data
Q. Decomposition temperature	No data
R. Viscosity	No data
S. Molecular Weight	No data

10. STABILITY AND REACTIVITY

A. Chemical Stability and Possibility of Hazardous Reaction	Not applicable
B. Conditions to avoid	Avoid direct light or water exposure.

11. TOXICOLOGICAL INFORMATION

A. Cytotoxicity	No significant clinical signs was observed(hamster)
B. Maximization Sensitization	No significant clinical signs was observed
C. Acute systemic toxicity	No significant clinical signs was observed(Mouse)

12. ECOLOGICAL INFORMATION

No ecological problems to be anticipated if properly handled and used.

13. DISPOSAL CONSIDERATION

A. Disposal methods	Dispose of contents and containers in accordance with the regulations, if specified in the Waste Management Act. Discard the container (as specified in the applicable regulations).
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14. TRANSPORT INFORMATION

A. UN No. DOT, ADR, IMDG, IATA	Not a regulated substance.
B. Proper shipment name DOT, ADR, IMDG, IATA	Not a regulated substance.
C. Risk level in transportation DOT, ADR, IMDG, IATA	Not a regulated substance.
D. Container level DOT, ADR, IMDG, IATA	Not a regulated substance.
E. Marine pollutants	Not applicable.
F. Special safety measures required or required by the user to know regarding transport or means of transport	Protect from water, heat or light. Product is not classified as a dangerous good for transport

15. REGULATORY INFORMATION

- The product is a medical device according to the **Medical Device Regulation (MDR) (EU 2017/745)**
- This product is classified as a medical device under KFDA, FDA. **Health Canada**
- This product does not require classification as Dangerous Goods.

16. OTHER INFORMATION

The above mentioned data correspond to our present state of knowledge and experience. The safety data sheet serves as description of the products in regard to necessary safety measures. The indications do not have the meaning of guarantees on properties.

A. Date of initial preparation	Oct. 04, 2018
B. Number of revisions and date of final revision	
- Number of revisions	05
- Date of final revision	Nov. 20, 2025
C. Others	Not applicable.

○ **The information and recommendations are taken from sources (raw material SDS(s) and manufacturer's knowledge) believed to be accurate and reliable. It is intended to describe the product according to various safety requirements; however, the manufacturer makes no warranty with respect to the accuracy and completeness of the information or the suitability of the recommendation and assumes no liability to any user thereof.**