

Preparation Date 2021/01/26

## Safety Data Sheet (SDS)

### Section 1 – CHEMICALS AND COMPANY IDENTIFICATION

Chemical Identifier	CERASMART
Product Code	201218-1
Name of Supplier	GC Corporation
Address	76-1 Hasunuma-Cho, Itabashi-Ku, Tokyo, Japan, Postal code 174-8585
Company Contact	Quality Assurance department
Phone Number	81-3-3965-1388
Fax Number	81-3-3965-1276
Restriction on Use	Prohibit use by anyone other than qualified dentistry.

Use for purposes other than those stated in the [Performance, Purpose of use, Efficacy or Effect] of the package insert is prohibited.

Prohibition of use of glass ionomer cement, methacrylate-based polymers, and methacrylate-based monomers in patients with a history of hypersensitivity symptoms such as rash and dermatitis.

Surgeons / patients who have a rash, dermatitis, or other hypersensitivity to this product should discontinue use and seek medical attention immediately.

### Section 2 – HAZARDS IDENTIFICATION

#### GHS Classification of the Chemical

Health Hazards	Serious eye damage/eye irritation Category 2A
Environmental Hazards	Hazardous to the aquatic environment, short-term (acute) Category 2
	Other hazards than mentioned above are Not classified or Classification not possible.

#### GHS Label Elements

##### Pictograms



Signal Word	Warning
Hazard Statements	H319 Causes serious eye irritation H401 Toxic to aquatic life
Precautionary Statements	
Prevention	Wash eye thoroughly after handling.(P264) Avoid release to the environment.(P273) Wear protective gloves/protective clothing/eye protection/face protection.(P280)
Response	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.(P305+P351+P338)
Disposal	If eye irritation persists: Get medical advice/attention.(P337+P313) Dispose of contents and container in accordance with local, regional and national regulations (to be specified).(P501)

## Section 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Distinction of Substance  
or Mixture

Mixture

Chemical Name or Generic Name	Concentration or Its Ranges	Formula	ENCS No./ISHL No.		CAS RN
			ENCS No.	ISHL No.	
Urethane dimethacrylate	Confidential	Confidential	Confidential	Confidential	Confidential
Bis-MEPP	Confidential	Confidential	Confidential	Confidential	Confidential
Polyfunctional methacrylate	Confidential	Confidential	Confidential	Confidential	Confidential
Silicon dioxide	Confidential	Confidential	Confidential	Confidential	Confidential
Barium glass	Confidential	Confidential	Confidential	Confidential	Confidential

## Section 4 – FIRST AID MEASURES

Inhalation

Call a doctor if you feel unwell.

Skin Contact

IF ON SKIN: Wash with plenty of soap and water.

If skin irritation occurs: Get medical advice and attention.

Eye Contact

IF IN EYES: Rinse cautiously with water for several minutes.  
Remove contact lenses, if present and easy to do. Continue  
rinsing.

If eye irritation persists: Get medical advice/attention.

Ingestion

Rinse mouth.

IF SWALLOWED: Call a doctor if you feel unwell.

## Section 5 – FIRE FIGHTING MEASURES

Suitable Extinguishing  
Media

Use extinguishing agent suitable for type of surrounding fire.

Unsuitable Extinguishing  
Media

When dust occurs, use dry sand.

No information available

Specific Hazards in Case  
of FireRisk of producing harmful gases such as carbon monoxide.  
Avoid inhalation of smoke or gases.

Specific Fire Fighting

Fight fire from upwind position if possible

Keep away from sources of ignition and use appropriate  
extinguishing media.Prohibit unauthorized staff from entering the area around the  
fire.

Keep unnecessary people away.

Special Protective  
Equipment and  
Precautions for FireUse goggles in combination with dust mask, and another  
protections as appropriate to situation.

## Section 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions,  
Protective Equipment and  
Emergency ProceduresUse goggles in combination with dust mask, and another  
protections as appropriate to situation.Environmental  
Precautions

Large spills :Evacuate area.

Ensure adequate ventilation.

Methods and Equipment  
for Containment and  
Cleaning UpDo not discharge into the drains, surface waters or ground  
water directly.

Sweep or vacuum spills to drums or containers.

Prevention Measures for  
Secondary Accidents

Keep away from sources of ignition and prepare extinguishing media.

Section 7 – HANDLING AND STORAGE

Handling

Technical Measures

Please comply with this section and the contents of this IFU.

Provide ventilation system and use necessary personal protective equipment as described in "Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION".

Use local exhaust ventilation in case of production of fume or mist.

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Precautions for Safe  
Handling

Wash hands thoroughly after handling.

Wear eye protection/face protection.

Prevents Handling of  
Incompatible  
Substances or

Refer to "Section 10 – STABILITY AND REACTIVITY".

Storage

Conditions for Safe  
Storage

Refer to "Section 10 – STABILITY AND REACTIVITY".

Store in well-ventilated place.

Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls

Use local exhaust ventilation in case of production of fume or mist.

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Personal Protective  
Equipment

Respiratory  
Protection

If necessary, wear respiratory protection.

Hand Protection

If necessary, wear protective gloves.

Eye/Face Protection

If necessary, wear protective eye protection.

Skin and Body  
Protection

If necessary, wear protective clothing.

Section 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State

solid

Form

solid

Colour

crown color

Odour

odorless

Melting Point/Freezing  
Point

No data available

Boiling Point or Initial  
Boiling Point and Boiling  
Ranges

No data available

Flammability

No data available

Lower and Upper  
Explosion Limit /  
Flammability Limit

Lower Limit

No data available

Upper Limit

No data available

Flash Point

No data available

Auto-Ignition

No data available

Temperature

Decomposition

No data available

Temperature

pH

No data available

Kinematic Viscosity	No data available
Solubility	No data available
Partition Coefficient : n-Octanol/Water	No data available
Vapour Pressure	No data available
Density and/or Relative Density	1.85g/cm <sup>3</sup>
Relative Gas Density	No data available
Particle Characteristics	No data available

## Section 10 – STABILITY AND REACTIVITY

Reactivity	No information available
Chemical Stability	No information available
Possibility of Hazardous Reaction	No information available
Conditions to Avoid	No information available
Incompatible Substances or Mixtures	No information available
Hazardous Decomposition Products	No information available

## Section 11 – TOXICOLOGICAL INFORMATION

Acute Toxicity	Oral	Classification not possible
	Dermal	Classification not possible
	Inhalation	(gas) Does not fall under gas based on GHS definitions. (vapour) Unable to classify (dust and mist) Classification not possible
Skin Corrosion/Irritation		Classification not possible
Serious Eye Damage/Eye Irritation		Classification not possible Category 2A
Respiratory Sensitization		Unable to classify
Skin Sensitization		Classification not possible
Germ Cell Mutagenicity		Unable to classify
Carcinogenicity		Classification not possible
Reproductive Toxicity		(Reproductive toxicity) Unable to classify Unable to classify
Specific Target Organ Toxicity (Single Exposure)		Classification not possible
Specific Target Organ Toxicity (Repeated Exposure)		Classification not possible
Aspiration Hazard		Classification not possible

## Section 12 – ECOLOGICAL INFORMATION

Hazardous to the Aquatic Environment, Short-Term (Acute)	Category 2
Hazardous to the Aquatic Environment, Long-Term (Chronic)	Classification not possible
Ecotoxicity	No data available

Persistence	No data available
Bioaccumulative Potential	No data available
Mobility in Soil	No data available
Hazardous to the Ozone Layer	Unable to classify

## Section 13 – DISPOSAL CONSIDERATIONS

Residual Waste	Before disposal, make the wastes harmless, stabilized, and neutralized, and minimize danger and toxicity of the wastes.
	Dispose of waste in accordance with local, state and federal regulations.
Contaminated Container and Packaging	Passed to a licensed waste contractor.
	In case of disposal of empty containers, remove the content thoroughly.

## Section 14 – TRANSPORT INFORMATION

International Regulations	Regulatory Information by Sea	Not regulated
	Marine Pollutant Liquid Substance Transported in Bulk According to MARPOL 73/78, Annex II, the IBC Code	Not applicable applicable
Regulations in Japan	Regulatory Information by Air	Not regulated
	Regulatory Information by Road	Not regulated
	Regulatory Information by Sea	Not regulated
	Marine Pollutant Liquid Substance Transported in Bulk According to MARPOL 73/78, Annex II, the IBC Code	Not applicable applicable
	Regulatory Information by Air	Not regulated
Emergency Response Guide Number		None

## Section 15 – REGULATORY INFORMATION

It is recommended to consult the local regulations of the state/region to determine the identification as hazardous material.

## Section 16 – OTHER INFORMATION

Information Contact	Described in item 1
Other Property	The information herein is given in good faith, but no warranty expressed or implied, is made.