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)
If eye irritation persists: Get medical advice/attention.(P337+P313)
Disposal  Dispose of contents and container in accordance with local, regional and national regulations (to be specified).(P501)
Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name or Generic Name</th>
<th>Concentration or Its Ranges</th>
<th>Formula</th>
<th>ENCS No./ISHL No.</th>
<th>CAS RN</th>
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</thead>
<tbody>
<tr>
<td>Urethane dimethacrylate</td>
<td>Confidential</td>
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<td>Confidential</td>
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<tr>
<td>Bis-MEPP</td>
<td>Confidential</td>
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<tr>
<td>Polyfunctional methacrylate</td>
<td>Confidential</td>
<td>Confidential</td>
<td>Confidential</td>
<td>Confidential</td>
</tr>
<tr>
<td>Silicon dioxide</td>
<td>Confidential</td>
<td>Confidential</td>
<td>Confidential</td>
<td>Confidential</td>
</tr>
<tr>
<td>Barium glass</td>
<td>Confidential</td>
<td>Confidential</td>
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</table>

Section 4 - FIRST AID MEASURES

I. Inhalation
Call a doctor if you feel unwell.

II. Skin Contact
If skin irritation occurs: Get medical advice and attention.
IF ON SKIN: Wash with plenty of soap and water.

III. 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.

IV. 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 Fire
Risk 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 Fire
Use goggles in combination with dust mask, and another protections as appropriate to situation.

Section 6 - ACCIDENTAL RELEASE MEASURES

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

Environmental Precautions
Large spills: Evacuate area.
Ensure adequate ventilation.
Do not discharge into the drains, surface waters or ground water directly.

Methods and Equipment for Containment and Cleaning Up
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
Provide ventilation system and use necessary personal protective equipment as described in “Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION”.

Precautions for Safe Handling
Wash hands thoroughly after handling.

Prevents Handling of Incompatible Substances or Mixtures
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 No data available
Boiling Point and Boiling Ranges
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 No data available
Decomposition No data available
Temperature No data available
pH No data available
<table>
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<th>Property</th>
<th>Value</th>
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<td>Solubility</td>
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<td>Partition Coefficient : n-</td>
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<tr>
<td>Octanol/Water</td>
<td>1.85g/cm³</td>
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<tr>
<td>Vapour Pressure</td>
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<tr>
<td>Density</td>
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<tr>
<td>Relative Gas Density</td>
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<td>Particle Characteristics</td>
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<td>Section 10 – STABILITY AND REACTIVITY</td>
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<td>Reactivity</td>
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<td>Chemical Stability</td>
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<td>Possibility of Hazardous Reaction</td>
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<td>Conditions to Avoid</td>
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<td>Incompatible Substances or Mixtures</td>
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<td>Hazardous Decomposition Products</td>
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<td>Section 11 – TOXICOLOGICAL INFORMATION</td>
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<td>Acute Toxicity</td>
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<tr>
<td>Oral</td>
<td>(gas) Does not fall under gas based on GHS definitions.</td>
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<tr>
<td>Dermal</td>
<td>(vapour) Unable to classify</td>
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<td>Inhalation</td>
<td>(dust and mist) Classification not possible</td>
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<td>Skin Corrosion/Irritation</td>
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<td>Serious Eye Damage/Eye Irritation</td>
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<td>Respiratory Sensitization</td>
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<td>Skin Sensitization</td>
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<td>Germ Cell Mutagenicity</td>
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<td>Carcinogenicity</td>
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<td>Reproductive Toxicity</td>
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<td>Specific Target Organ</td>
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<td>Toxicity (Single Exposure)</td>
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<tr>
<td>Specific Target Organ</td>
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<td>Toxicity (Repeated Exposure)</td>
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<tr>
<td>Aspiration Hazard</td>
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<td>Section 12 – ECOLOGICAL INFORMATION</td>
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<td>Hazardous to the Aquatic Environment, Short-Term (Acute)</td>
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<td>Ecotoxicity</td>
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Persistence
Bioaccumulative Potential
No data available
No data available

Mobility in Soil
Hazardous to the Ozone
Layer
No data available
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.

Contaminated Container
and Packaging
Dispose of waste in accordance with local, state and federal regulations.

Not applicable
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
Not applicable

Liquid Substance
applicable

Transported in Bulk
According to
MARPOL 73/78,
Annex II, the IBC Code

Regulatory Information by Air
Not regulated

Regulations in Japan
Regulatory Information by Road
Not regulated

Regulatory Information by Sea
Not regulated

Marine Pollutant
Not applicable

Liquid Substance
applicable

Transported in Bulk
According to
MARPOL 73/78,
Annex II, the IBC Code

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.