

Preparation Date 2021/02/01

## Safety Data Sheet (SDS)

### Section 1 – CHEMICALS AND COMPANY IDENTIFICATION

Chemical Identifier	GC Gold Label Light-Cured Universal Restorative (GC Gold Label 2 LC) Liquid
Product Code	201215-2
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	Skin corrosion/irritation Category 1 Serious eye damage/eye irritation Category 1 Skin sensitization Category 1 Other hazards than mentioned above are Not classified or Classification not possible.
----------------	--

#### GHS Label Elements

##### Pictograms



Signal Word	Danger
Hazard Statements	H314 Causes severe skin burns and eye damage H317 May cause an allergic skin reaction
Precautionary Statements	
Prevention	Do not breathe dust/fume/gas/mist/vapours/spray.(P260) Avoid breathing dust/fume/gas/mist/vapours/spray.(P261) Wash hand thoroughly after handling.(P264) Contaminated work clothing should not be allowed out of the workplace.(P272) Wear protective gloves/protective clothing/eye protection/face protection.(P280)
Response	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.(P301+P330+P331) IF ON SKIN: Wash with plenty of soap and water.(P302+P352)

IF ON SKIN or hair: Take off immediately all contaminated clothing. Rinse skin with water or shower.(P303+P361+P353)  
 IF INHALED: Remove person to fresh air and keep comfortable for breathing.(P304+P340)  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.(P305+P351+P338)

Immediately call a doctor.(P310)  
 Specific treatment.(P321)  
 If skin irritation or rash occurs: Get medical advice/attention.(P333+P313)  
 Take off contaminated clothing and wash it before reuse.(P362+P364)  
 Wash contaminated clothing before reuse.(P363)  
 Store locked up.(P405)  
 Dispose of contents and container in accordance with local, regional and national regulations (to be specified).(P501)

Storage  
 Disposal

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.	
Polyacrylic acid	Confidential	Confidential	Confidential	Confidential	Confidential
Distilled water	Confidential	Confidential	Confidential	Confidential	Confidential
HEMA	Confidential	Confidential	Confidential	Confidential	Confidential
Initiator	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.  
 Take of contaminated clothing and wash before re-use.  
 If skin irritation or rash occurs, get medical advice and attention.  
 Specific treatment.  
 Eye Contact Immediately call a doctor.  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 Ingestion Rinse mouth.  
 IF SWALLOWED: Call a doctor if you feel unwell.  
 Do NOT induce vomiting.

Section 5 – FIRE FIGHTING MEASURES

Suitable Extinguishing Media Use extinguishing agent suitable for type of surrounding fire.  
 When dust occurs, use dry sand.  
 Unsuitable Extinguishing Media 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.

Special Protective  
Equipment and  
Precautions for Fire

Prohibit unauthorized staff from entering the area around the fire.  
Keep unnecessary people away.  
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  
Methods and Equipment  
for Containment and  
Cleaning Up

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

Prevention Measures for  
Secondary Accidents

Large spills: Dike spills and dispose of in safe area.  
  
small spill : absorb with material such as non-combustible material wash thoroughly after handling  
  
Cautiously neutralize with dry soda ash and slaked lime if necessary.  
Keep away from sources of ignition and prepare extinguishing media.  
Risk of slipping. Spilled material forms slippery floor.  
  
Do not recklessly walk on the spillage.

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

Wear protective gloves/protective clothing/eye protection/face protection.  
Contaminated work clothing should not be allowed out of the workplace.  
Do not breathe dust/mist

Prevents Handling of  
Incompatible  
Substances or

Refer to "Section 10 – STABILITY AND REACTIVITY".

Storage

Conditions for Safe  
Storage

Store locked up.  
  
Refer to "Section 10 – STABILITY AND REACTIVITY".

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	Wear protective gloves.
	Eye/Face Protection	Wear eye protection/face protection.
	Skin and Body Protection	If necessary, wear protective clothing.

**Section 9 – PHYSICAL AND CHEMICAL PROPERTIES**

Physical State		liquid
Form		liquid
Colour		Pale yellow
Odour		Monomer odor
Melting Point/Freezing Point		No data available
Boiling Point or Initial Boiling Point and Boiling Ranges		101°C
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 Temperature		No data available
Decomposition Temperature		No data available
pH		1-2
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		1.18 g/cm <sup>3</sup>
Relative Gas Density		No data available
Particle Characteristics		No data available

**Section 10 – STABILITY AND REACTIVITY**

Reactivity	See Possibility of Hazardous Reaction.
Chemical Stability	Stable under normal conditions of use.
Possibility of Hazardous Reaction	There is a risk of polymerization due to Conditions to Avoid and contact Incompatible Substances or Mixtures. There is a risk of fire or explosion due to Conditions to Avoid and Incompatible Substances or Mixtures.
Conditions to Avoid	Heat Light
Incompatible Substances or Mixtures	Peroxide
Hazardous Decomposition Products	Irritation smoke and fume

**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) Unable to classify Category 1
Skin Corrosion/Irritation		Category 1
Serious Eye Damage/Eye Irritation		Unable to classify
Respiratory Sensitization		Category 1
Skin Sensitization		Unable to classify Unable to classify (Reproductive toxicity) Classification not possible
Germ Cell Mutagenicity Carcinogenicity Reproductive Toxicity		(Reproductive toxicity, effects on or via lactation)
Specific Target Organ Toxicity (Single Exposure)		Unable to classify Classification not possible
Specific Target Organ Toxicity (Repeated Exposure)		Classification not possible
Aspiration Hazard		Classification not possible
<b>Section 12 – ECOLOGICAL INFORMATION</b>		
Hazardous to the Aquatic Environment, Short-Term (Acute)		Classification not possible
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
<b>Section 13 – DISPOSAL CONSIDERATIONS</b>		
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. Since it indicates strong acid, dispose of it after neutralizing with alkali.
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 Marine Pollutant Liquid Substance Transported in Bulk According to MARPOL 73/78, Annex II, the IBC Code	Not regulated Not applicable applicable
Regulations in Japan	Regulatory Information by Air Regulatory Information by Road Regulatory Information by Sea Marine Pollutant Liquid Substance Transported in Bulk According to MARPOL 73/78, Annex II, the IBC Code Regulatory Information by Air	Not regulated Not regulated Not regulated Not applicable applicable 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 Other Property	Described in item 1 The information herein is given in good faith, but no warranty expressed or implied, is made.
---------------------------------------	--