

Preparation Date 2021/02/19

Safety Data Sheet (SDS)

Section 1 – CHEMICALS AND COMPANY IDENTIFICATION

Chemical Identifier	GC Fuji BOND LC Liquid
Product Code	210219-2
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. Prohibit use for purposes other than those written in this product IFU. 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.
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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)

Storage Store locked up.(P405)

Disposal 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.	
Polyacrylic acid	Confidential	Confidential	Confidential	Confidential	Confidential
Distilled water	Confidential	Confidential	Confidential	Confidential	Confidential
Hydroxyethyl methacrylate (HEMA)	Confidential	Confidential	Confidential	Confidential	Confidential
Urethane dimethacrylate (UDMA)	Confidential	Confidential	Confidential	Confidential	Confidential
Dimethacrylate	Confidential	Confidential	Confidential	Confidential	Confidential
Polybasic carboxylic acid	Confidential	Confidential	Confidential	Confidential	Confidential
Initiator	Confidential	Confidential	Confidential	Confidential	Confidential
Inhibitor	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 off 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	Cylindric water.
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	Large spills :Evacuate area. Large spills: Dike spills and dispose of in safe area. small spill : abeorb with material such as non-combustible materialwash thoroughly after handling
Prevention Measures for Secondary Accidents	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 product 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

Storage	Prevents Handling of Incompatible Substances or Conditions for Safe Storage	Refer to "Section 10 – STABILITY AND REACTIVITY".
		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. Use explosion-proof electrical equipment and prevent from static electricity.
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		Light yellow
Odour		Odorless
Melting Point/Freezing Point		No data available
Boiling Point or Initial Boiling Point and Boiling Ranges		No data available
Flammability 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		Slightly soluble in water
Partition Coefficient : n-Octanol/Water		No data available
Vapour Pressure		No data available
Density and/or Relative Density		No data available
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
 Peroxide
 Incompatible Substances or Mixtures
 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		Category 1
Respiratory Sensitization		Unable to classify
Skin Sensitization		Category 1
Germ Cell Mutagenicity		Unable to classify
Carcinogenicity		Unable to classify
Reproductive Toxicity		(Reproductive toxicity) Classification not possible (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

Section 12 – ECOLOGICAL INFORMATION

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

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.
 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	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	Complies with the Fire Service Act.
	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.