

Preparation Date 2022/08/18

## Safety Data Sheet (SDS)

### Section 1 – CHEMICALS AND COMPANY IDENTIFICATION

Chemical Identifier	GC Fuji ORTHO LC Liquid
Product Code	220818-1
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. Prohibit use for purposes other than those written in this product IFU. Prohibit use for patients with a history of hypersensitivity symptoms such as rash and dermatitis to glass ionomer cement, methacrylate-based polymers, and methacrylate-based monomers. 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 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	Warning
Hazard Statements	H317 May cause an allergic skin reaction H319 Causes serious eye irritation
Precautionary Statements	
Prevention	Avoid breathing dust/fume/gas/mist/vapours/spray.(P261) Wash eye 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 ON SKIN: Wash with plenty of soap and water.(P302+P352) IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.(P305+P351+P338)  Specific treatment.(P321) If skin irritation or rash occurs: Get medical advice/attention.(P333+P313) If eye irritation persists: Get medical advice/attention.(P337+P313)

	Take off contaminated clothing and wash it before reuse.(P362+P364)
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.	
Carboxypolymer	Confidential	Confidenti al	Confidenti al	Confidenti al	Confidential
Water	Confidential	Confidenti al	Confidenti al	Confidenti al	Confidential
Methacrylic acid ester	Confidential	Confidenti al	Confidenti al	Confidenti al	Confidential
Initiator	Confidential	Confidenti al	Confidenti al	Confidenti al	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

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  
MediaUse 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 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 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	<p>Large spills :Evacuate area. Ensure adequate ventilation. Do not discharge into the drains, surface waters or ground water directly. small spill : absorb with material such as non-combustible material wash thoroughly after handling</p> <p>Large spills: Dike spills and dispose of in safe area.</p>
Prevention Measures for Secondary Accidents	<p>Keep away from sources of ignition and prepare extinguishing media. Risk of slipping. Spilled material forms slippery floor.</p> <p>Do not recklessly walk on the spillage.</p>

Section 7 – HANDLING AND STORAGE

Handling	Technical Measures	<p>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.</p>
	Precautions for Safe Handling	<p>Wash hands thoroughly after handling.</p> <p>Wear eye protection/face protection. Contaminated work clothing should not be allowed out of the workplace. Avoid breathing dust/fume/gas/mist/vapours/spray.</p>
Storage	Prevents Handling of Incompatible Substances or Conditions for Safe Storage	<p>Refer to "Section 10 – STABILITY AND REACTIVITY".</p> <p>Refer to "Section 10 – STABILITY AND REACTIVITY". Store in well-ventilated place.</p>

Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls		<p>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.</p>
Personal Protective Equipment	Respiratory Protection Hand Protection Eye/Face Protection Skin and Body Protection	<p>If necessary, wear respiratory protection.</p> <p>Wear protective gloves.</p> <p>If necessary, wear protective eye protection.</p> <p>If necessary, wear protective clothing.</p>

Section 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State		liquid
Form		liquid
Colour		pale yellow
Odour		Characteristic
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 Temperature		No data available
Decomposition Temperature		No data available
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		No data available
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		Sunlight Heat Ambient light
Incompatible Substances or Mixtures		Acid  Base Oxidant
Hazardous Decomposition Products		Oxide of carbon

## 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

Skin Corrosion/Irritation Classification not possible

Serious Eye Damage/Eye Irritation Category 2A

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.

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 Not applicable

	Liquid Substance Transported in Bulk According to MARPOL 73/78, Annex II, the IBC Code	Not applicable
	Regulatory Information by Air	Not regulated
Regulations in Japan	Regulatory Information by Road	Complies with the Fire Service Act.
	Regulatory Information by Sea	Not regulated
	Marine Pollutant	Not applicable
	Liquid Substance Transported in Bulk According to MARPOL 73/78, Annex II, the IBC Code	Not 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.