

Preparation Date 2021/02/24

Safety Data Sheet (SDS)

Section 1 – CHEMICALS AND COMPANY IDENTIFICATION

Chemical Identifier	GC Fuji LINING LC PASTE PAK A paste
Product Code	210224-5
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	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)

Disposal	If eye irritation persists: Get medical advice/attention.(P337+P313)
	Take off contaminated clothing and wash it before reuse.(P362+P364)
	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.	
Fluoro-Alumino-silicate glass	Confidential	Confidenti al	Confidenti al	Confidenti al	Confidential
HEMA	Confidential	Confidenti al	Confidenti al	Confidenti al	Confidential
Dimethacrylic acid ester	Confidential	Confidenti al	Confidenti al	Confidenti al	Confidential
Initiator	Confidential	Confidenti al	Confidenti al	Confidenti al	Confidential
Pigment	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.

No information available

Unsuitable Extinguishing
MediaSpecific 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

Large spills :Evacuate area.

Ensure adequate ventilation.

Methods and Equipment
for Containment and
Cleaning Up

Do 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 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

Wash hands thoroughly after handling.

Wear eye protection/face protection.

Contaminated work clothing should not be allowed
out of the workplace.

Avoid breathing dust/fume/gas/mist/vapours/spray.

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

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

liquid

Form

paste

Colour

Yellow

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 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	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
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

Regulations in Japan	Liquid Substance Transported in Bulk According to MARPOL 73/78, Annex II, the IBC Code	Not applicable
	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
Emergency Response Guide Number	Regulatory Information by Air	Not regulated
		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	Since this product consists of multiple individually packaged components, this SDS is written for each component.
	The information herein is given in good faith, but no warranty expressed or implied, is made.

Safety Data Sheet (SDS)

Section 1 – CHEMICALS AND COMPANY IDENTIFICATION

Chemical Identifier	GC Fuji LINING LC PASTE PAK B paste
Product Code	210224-6
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.

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)
 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)

Response

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
Methacrylic acid ester	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.

No information available

Unsuitable Extinguishing
MediaSpecific 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.

Methods and Equipment
for Containment and
Cleaning Up

Do not discharge into the drains, surface waters or ground water directly.

Large spills :Evacuate area.

Large spills: Dike spills and dispose of in safe area.

Sweep or vacuum spills to drums or containers.
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.

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 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
	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	paste
Colour	Yellow
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 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		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
Incompatible Substances or Mixtures		Strong oxidant
Hazardous Decomposition Products		Peroxide Oxide of carbon 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
Skin Corrosion/Irritation		Category 1
Serious Eye Damage/Eye Irritation		Category 1
Respiratory Sensitization		Unable to classify

Skin Sensitization

Category 1

Germ Cell Mutagenicity
Carcinogenicity
Reproductive Toxicity

Unable to classify
Unable to classify
(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
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	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

Other Property

Described in item 1

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