

Preparation Date 2025/12/16

Safety Data Sheet (SDS)

Section 1 – CHEMICALS AND COMPANY IDENTIFICATION

Chemical Identifier	G-aenial A'CHORD
Product Code	240306-10
Name of Supplier	GC Corporation
Address	76-1 Hasunuma-Cho, Itabashi-Ku, Tokyo, Japan, Postal code 174-8585
Department in	Quality Assurance department
Phone Number	81-3-3965-1388
Fax Number	81-3-3965-1276
Recommended Use	For dental or medical use
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 etc..

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 sensitization Category 1B 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
Precautionary Statements	
Prevention	Avoid breathing dust/fume/gas/mist/vapours/spray.(P261) 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) 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)
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.	
Barium glass	Confidential	Confidential	Confidential	Confidential	Confidential
Dimethacrylate	Confidential	Confidential	Confidential	Confidential	Confidential
Silicon dioxide	Confidential	Confidential	Confidential	Confidential	Confidential
Initiator	Confidential	Confidential	Confidential	Confidential	Confidential
Stabilizer	Confidential	Confidential	Confidential	Confidential	Confidential
Pigment	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

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.

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.

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.

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	Wear protective gloves. 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 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

	TLVs (ACGIH)
Barium glass	Listed
Dimethacrylate	Not listed
Stabilizer	Listed
Pigment	TWA 10 mg/m3, STEL –

	Concentration standards specified by the Minister of Health, Labour and Welfare	
	Concentration standard value for 8-hours exposure	Concentration standard value for short-term exposure/ceiling
Barium glass	Not listed	Not listed
Dimethacrylate	Not listed	Not listed
Stabilizer	10mg/m3	–
Pigment	Not listed	Not listed

TLVs (ACGIH) can be referenced at: <https://www.acgih.org/>

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	Select and wear appropriate respiratory protective equipment based on risk assessments and other measures.
	Hand Protection	Wear appropriate protective equipment, including impervious or impermeable safety gloves, as circumstances dictate. Select and wear appropriate safety gloves based on risk assessments and other measures.
	Eye/Face Protection	Select and wear appropriate face and eye protection based on risk assessments and other measures.

Skin and Body Protection	Wear appropriate protective equipment such as impervious and impermeable protective clothing and footwear, as circumstances dictate. Select and wear appropriate protective clothing and footwear based on risk assessments and other measures.
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Section 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State		No data available
Form		paste
Colour		Product specific
Odour		Nearly odourless
Melting Point/Freezing Point		No data available
Boiling Point or Initial Boiling Point and Boiling Ranges		No data available
Flammability		Flammable
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		Not applicable
Decomposition Temperature		No data available
pH		No data available
Kinematic Viscosity		Not applicable
Solubility		Insoluble in water
Partition Coefficient : n-Octanol/Water		No data available
Vapour Pressure		No data available
Density and/or Relative Density		Not applicable
Relative Gas Density		No data available
Particle Characteristics		No data available

Section 10 – STABILITY AND REACTIVITY

Reactivity		Stable under normal conditions of use.
Chemical Stability		No information available
Possibility of Hazardous Reaction		No information available
Conditions to Avoid		No information available
Incompatible Substances or Mixtures		No information available
Hazardous Decomposition Products		No information available

Section 11 – TOXICOLOGICAL INFORMATION

Acute Toxicity	Oral	Classification not possible
	Dermal	Classification not possible
	Inhalation	(gas) Unable to classify (vapour) Unable to classify (dust and mist)
Skin Corrosion/Irritation		Classification not possible Classification not possible

Serious Eye Damage/Eye Irritation	Classification not possible
Respiratory Sensitization	Unable to classify
Skin Sensitization	Category 1B
Germ Cell Mutagenicity	Classification not possible
Carcinogenicity	Classification not possible
Reproductive Toxicity	(Reproductive toxicity)
	Classification not possible
	(Reproductive toxicity, effects on or via lactation)
	Unable to classify
Specific Target Organ Toxicity (Single Exposure)	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, Dispose of waste in accordance with local, state and Passed to a licensed waste contractor.
Contaminated Container and Packaging	In case of disposal of empty containers, remove the

Section 14 – TRANSPORT INFORMATION

International Regulations	Regulatory Information by Sea	Not regulated
	Marine Pollutant Liquid Substance	Not applicable
	Transported in Bulk	Applicable
	According to MARPOL 73/78, Annex II, the IBC Code	
	Regulatory Information by Air	Not regulated
Regulations in Japan	Regulatory Information by Road or Rail	Not regulated
	Regulatory Information by Sea	Not regulated
	Marine Pollutant Liquid Substance	Not applicable
	Transported in Bulk	Applicable
	According to MARPOL 73/78, Annex II, the IBC Code	

	Regulatory	Not regulated
	Information by Air	
Emergency Response		None
Guide Number		

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 Section 1
Other Property	The information herein is given in good faith, but no warranty expressed or implied, is made.