

Preparation Date 2021/02/17

## Safety Data Sheet (SDS)

### Section 1 – CHEMICALS AND COMPANY IDENTIFICATION

Chemical Identifier	G-aenial Anterior (TE shade)
Product Code	210121-1
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.

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	Acute toxicity (oral) Category 3 Serious eye damage/eye irritation Category 2B 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	H301 Toxic if swallowed H320 Causes eye irritation
Precautionary Statements	
Prevention	Wash hand thoroughly after handling.(P264) Wash eye thoroughly after handling.(P264) Do not eat, drink or smoke when using this product.(P270)
Response	IF SWALLOWED: Immediately call a doctor.(P301+P310)  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) Rinse mouth.(P330) If eye irritation persists: Get medical advice/attention.(P337+P313)
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.	
Urethanedimethacrylate	20-25%	Confidential	Confidential	Confidential	Confidential

Dimethacrylate	5-10%	Confidential	Confidential	Confidential	Confidential
Silicon dioxide	35-40%	Confidential	Confidential	Confidential	Confidential
Composite filler	35-40%	Confidential	Confidential	Confidential	Confidential
Colorant	Confidential	Confidential	Confidential	Confidential	Confidential
Photo 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.

If skin irritation occurs: Get medical advice and attention.

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

IF SWALLOWED: Immediately call a doctor.

Rinse mouth.

Specific treatment.

#### Section 5 – FIRE FIGHTING MEASURES

Suitable Extinguishing

Use extinguishing agent suitable for type of surrounding fire.

Media

When dust occurs, use dry sand.

Unsuitable Extinguishing

No information available

Media

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

Use goggles in combination with dust mask, and another protections as appropriate to situation.

Equipment and

Precautions for Fire

#### 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.

Large spills :Evacuate area.

Ensure adequate ventilation.

Environmental  
Precautions

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

Methods and Equipment  
for Containment and  
Cleaning Up

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 Do not eat, drink or smoke when using this product.

Wash hands thoroughly after handling.

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 locked up.

### 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

If necessary, 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

solid

Form

paste

Colour

Transparent

Odour

No data available

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  
> 150°C

Flash Point

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	No information available
Incompatible Substances or Mixtures	No information available
Hazardous Decomposition Products	No information available

## Section 11 – TOXICOLOGICAL INFORMATION

Acute Toxicity	Oral	Category 3
	Dermal	Unable to classify
	Inhalation	(gas)
		Does not fall under gas based on GHS definitions.
		(vapour)
		Unable to classify
Skin Corrosion/Irritation		Unable to classify
		Category 2B
Serious Eye Damage/Eye Irritation		Unable to classify
Respiratory Sensitization		Unable to classify
Skin Sensitization		Unable to classify
Germ Cell Mutagenicity		Unable to classify
Carcinogenicity		Unable to classify
Reproductive Toxicity		(Reproductive toxicity)
		Unable to classify
		(Reproductive toxicity, effects on or via lactation)
		Unable to classify
Specific Target Organ Toxicity (Single Exposure)		Unable to classify
		Unable to classify
Specific Target Organ Toxicity (Repeated Exposure)		Unable to classify
		Unable to classify
Aspiration Hazard		Unable to classify

## Section 12 – ECOLOGICAL INFORMATION

Hazardous to the Aquatic Environment, Short-Term (Acute)	Unable to classify
Hazardous to the Aquatic Environment, Long-Term (Chronic)	Unable to classify
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.
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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	Not applicable
	Transported in Bulk	
	According to MARPOL 73/78, Annex II, the IBC Code	

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

	Regulatory Information by Air	Not regulated
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Emergency Response Guide Number	None
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**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.