

Preparation Date 2021/03/15

Safety Data Sheet (SDS)

Section 1 – CHEMICALS AND COMPANY IDENTIFICATION

Chemical Identifier	GC RELINE II Primer for Resin
Product Code	210315-9
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. Prohibition of use of silicone 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

Physicochemical	Flammable liquids Category 2
Health Hazards	Acute toxicity (Inhalation: vapour) Category 4 Serious eye damage/eye irritation Category 2B Specific target organ toxicity (single exposure) Category 1 (optic nerve) Specific target organ toxicity (single exposure) Category 3 (narcotic effect respiratory tract irritation) Specific target organ toxicity (repeated exposure) Category 1 (optic nerve) Other hazards than mentioned above are Not classified or Classification not possible.

GHS Label Elements

Pictograms



Signal Word	Danger
Hazard Statements	H225 Highly flammable liquid and vapour H320 Causes eye irritation H332 Harmful if inhaled H335 May cause respiratory irritation H336 May cause drowsiness or dizziness H370 Causes damage to optic nerve H372 Causes damage to optic nerve through prolonged or repeated exposure
Precautionary Statements	
Prevention	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.(P210) Keep container tightly closed.(P233) Ground and bond container and receiving equipment.(P240)

Use explosion-proof electrical, ventilating and lighting equipment.(P241)
 Use non-sparking tools.(P242)
 Take action to prevent static discharges.(P243)

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)
 Wash eye thoroughly after handling.(P264)
 Do not eat, drink or smoke when using this product.(P270)
 Use only outdoors or in a well-ventilated area.(P271)

Response
 Wear protective gloves/protective clothing/eye protection/face protection.(P280)
 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)
 IF exposed or concerned: Call a doctor.(P308+P311)

Storage
 Call a doctor if you feel unwell.(P312)
 Get medical advice and attention if you feel unwell.(P314)
 Specific treatment.(P321)
 If eye irritation persists: Get medical advice/attention.(P337+P313)
 In case of fire: Use appropriate media to extinguish.(P370+P378)

Storage
 Store in a well-ventilated place. Keep container tightly closed.(P403+P233)
 Store in a well-ventilated place. Keep cool.(P403+P235)

Disposal
 Store locked up.(P405)
 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.	
Acetic ester	90%	Private	Private	Private	Private
Silicone modified acrylic resin	Private	Private	Private	Private	Private

Section 4 – FIRST AID MEASURES

Inhalation

IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.

IF exposed or concerned: Call a doctor.

Skin Contact

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF ON SKIN: Wash with plenty of soap and water.

If skin irritation occurs: Get medical advice and attention.

IF exposed or concerned: Call a doctor.

Eye Contact	<p>IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>If eye irritation persists: Get medical advice/attention.</p>
Ingestion	<p>IF exposed or concerned: Call a doctor.</p> <p>Rinse mouth.</p> <p>IF SWALLOWED: Call a doctor if you feel unwell.</p> <p>IF exposed or concerned: Call a doctor.</p>

Section 5 – FIRE FIGHTING MEASURES

Suitable Extinguishing Media	<p>Use extinguishing agent suitable for type of surrounding fire.</p> <p>When dust occurs, use dry sand.</p>
Unsuitable Extinguishing Media	<p>No information available</p>
Specific Hazards in Case of Fire	<p>Risk of producing harmful gases such as carbon monoxide. Avoid inhalation of smoke or gases.</p>
Specific Fire Fighting	<p>Fight fire from upwind position if possible</p> <p>Keep away from sources of ignition and use appropriate extinguishing media.</p> <p>Prohibit unauthorized staff from entering the area around the fire.</p> <p>Keep unnecessary people away.</p>
Special Protective Equipment and Precautions for Fire	<p>Use goggles in combination with dust mask, and another protections as appropriate to situation.</p>

Section 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures	<p>Use goggles in combination with dust mask, and another protections as appropriate to situation.</p>
Environmental Precautions	<p>Large spills :Evacuate area.</p> <p>Ensure adequate ventilation.</p>
Methods and Equipment for Containment and Cleaning Up	<p>Do not discharge into the drains, surface waters or ground water directly.</p> <p>small spill : absorb with material such as non-combustible material wash thoroughly after handling</p>
Prevention Measures for Secondary Accidents	<p>Large spills: Dike spills and dispose of in safe area.</p> <p>Keep away from sources of ignition and prepare extinguishing media.</p> <p>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.</p> <p>Provide ventilation system and use necessary personal protective equipment as described in "Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION".</p> <p>Ground/bond container and receiving equipment.</p> <p>Use only non-sparking tools.</p> <p>Use explosion-proof electrical/ventilating/lighting.</p> <p>Take precautionary measures against static discharge.</p> <p>Use local exhaust ventilation in case of production of fume or mist.</p>
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		Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.
	Precautions for Safe Handling	Wear protective gloves/eye protection/face protection. Do not eat, drink or smoke when using this product.
		Wash hands thoroughly after handling. Use only outdoors or in a well-ventilated area.
		Keep cool. Do not breathe 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 locked up. Store container tightly closed 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. 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	Wear protective clothing.

Section 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State		liquid
Form		liquid
Colour		Clear
Odour		Unique smell
Melting Point/Freezing Point		No data available
Boiling Point or Initial Boiling Point and Boiling Ranges		77°C
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
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 Stable under normal conditions of use.
 See Possibility of Hazardous Reaction.
 Chemical Stability No information available
 Possibility of Hazardous Reaction No information available
 Conditions to Avoid Heat
 Fire
 Spark
 Incompatible Substances or Mixtures No information available
 Hazardous Decomposition Products Irritation smoke and fume

Section 11 – TOXICOLOGICAL INFORMATION

Acute Toxicity Oral Classified as Not classified
 Changed from Not Classified to Classification not possible
 Dermal Classified as Not classified
 Changed from Not Classified to Classification not possible
 Inhalation (gas)
 Does not fall under gas based on GHS definitions.
 (vapour)
 Classified as Category 4
 (dust and mist)
 Unable to classify due to insufficient data.
 Skin Corrosion/Irritation Classified as Not classified
 Changed from Not Classified to Classification not possible
 Serious Eye Damage/Eye Irritation Classified as Category 2B
 Respiratory Sensitization Unable to classify due to insufficient data.
 Skin Sensitization Classified as Not classified
 Changed from Not Classified to Classification not possible
 Germ Cell Mutagenicity Classified as Not classified
 Changed from Not Classified to Classification not possible
 Carcinogenicity Unable to classify due to insufficient data.

Reproductive Toxicity	(Reproductive toxicity) Unable to classify due to insufficient data. (Reproductive toxicity, effects on or via lactation)
Specific Target Organ Toxicity (Single Exposure)	Unable to classify due to insufficient data. Classified as Category 1(optic nerve) Classified as Category 3(narcotic effect) Classified as Category 3(respiratory tract irritation)
Specific Target Organ Toxicity (Repeated Exposure) Aspiration Hazard	Classified as Category 1(optic nerve) Classified as Classification not possible
Section 12 – ECOLOGICAL INFORMATION	
Hazardous to the Aquatic Environment, Short-Term (Acute)	Classified as Not classified Changed from Not classified to Classification not possible
Hazardous to the Aquatic Environment, Long-Term (Chronic)	Classified as Not classified Changed from Not classified to Classification not possible
Ecotoxicity Persistence Bioaccumulative Potential	No data available No data available No data available
Mobility in Soil Hazardous to the Ozone Layer	No data available Unable to classify due to insufficient data.
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 UN No. 1173 Proper Shipping Class ETHYL ACETATE 3 Packing Group II Marine Pollutant Not applicable Liquid Substance Applicable Transported in Bulk According to MARPOL 73/78, Annex II , the IBC Code

	Regulatory Information by Air	Conform to the provisions of ICAO/IATA.
	UN No.	1173
	Proper Shipping Class	ETHYL ACETATE 3
	Packing Group	II
Regulations in Japan	Regulatory Information by Road	Not regulated
	Regulatory Information by Sea	Conform to the provisions of the Ship Safety Law.
	UN No.	1173
	Proper Shipping Class	ETHYL ACETATE 3
	Packing Group	II
	Marine Pollutant	Not applicable
	Liquid Substance Transported in Bulk	Applicable
	According to MARPOL 73/78, Annex II, the IBC Code	
	Regulatory Information by Air	Conform to the provisions of the Civil Aeronautics Law.
	UN No.	1173
	Proper Shipping Class	ETHYL ACETATE 3
	Packing Group	II
Emergency Response Guide Number		129

Section 15 – REGULATORY INFORMATION

It is recommended consulting 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

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

Since this product consists of multiple individually packaged components, this SDS is written for each component.