

Preparation Date 2021/03/15

Safety Data Sheet (SDS)

Section 1 – CHEMICALS AND COMPANY IDENTIFICATION

Chemical Identifier	GC RELINE II Remover for Resin
Product Code	210315-10
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 Skin corrosion/irritation Category 2 Serious eye damage/eye irritation Category 2A Respiratory sensitization Category 1 Skin sensitization Category 1 Specific target organ toxicity (single exposure) Category 1 (respiratory apparatus) Specific target organ toxicity (single exposure) Category 3 (narcotic effect respiratory tract irritation) Specific target organ toxicity (repeated exposure) Category 1 (respiratory apparatus nervous system)

Environmental Hazards	Hazardous to the aquatic environment, short-term (acute) Category 3 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	H225 Highly flammable liquid and vapour H315 Causes skin irritation H317 May cause an allergic skin reaction H319 Causes serious eye irritation H332 Harmful if inhaled H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled H335 May cause respiratory irritation H336 May cause drowsiness or dizziness

	H370 Causes damage to respiratory apparatus H372 Causes damage to respiratory apparatus, nervous system through prolonged or repeated exposure H402 Harmful to aquatic life
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) Contaminated work clothing should not be allowed out of the workplace.(P272) Avoid release to the environment.(P273) Wear protective gloves/protective clothing/eye protection/face protection.(P280) Wear respiratory protection.(P284)
Response	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) IF exposed or concerned: Call a doctor.(P308+P311) Call a doctor if you feel unwell.(P312) Get medical advice and attention if you feel unwell.(P314) Specific treatment.(P321) If skin irritation occurs: Get medical advice/attention.(P332+P313) If skin irritation or rash occurs: Get medical advice/attention.(P333+P313) If eye irritation persists: Get medical advice/attention.(P337+P313) If experiencing respiratory symptoms: Call a doctor.(P342+P311) Take off contaminated clothing and wash it before reuse.(P362+P364) 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)
 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.	
Ethyl acetate	Private	CH ₃ COOC 2H ₅	(2)-726	Private	141-78-6
Methyl methacrylate	Private	C ₅ H ₈ O ₂	(2)-1036	Private	80-62-6

Section 4 – FIRST AID MEASURES

Inhalation

IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
 If experiencing respiratory symptoms call a doctor.

Skin Contact

IF exposed or concerned: Call a doctor.
 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.

Eye Contact

If skin irritation or rash occurs, get medical advice and attention.
 Specific treatment.
 IF exposed or concerned: Call a doctor.
 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 exposed or concerned: Call a doctor.
 Rinse mouth.
 IF SWALLOWED: Call a doctor if you feel unwell.
 IF exposed or concerned: Call a doctor.

Section 5 – FIRE FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing agent suitable for type of surrounding fire.

Unsuitable Extinguishing Media

When dust occurs, use dry sand.

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.

Special Protective Equipment and Precautions for Fire

Keep unnecessary people away.
 Wear respiratory protection.

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

Wear respiratory protection.

Environmental
Precautions
Methods and Equipment
for Containment and
Cleaning Up

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

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

Prevention Measures for
Secondary Accidents

Keep away from sources of ignition and prepare
extinguishing media.
Risk of slipping. Spilled material forms slippery floor.

Do not recklessly walk on the spillage.

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".
Ground/bond container and receiving equipment.
Use only non-sparking tools.
Use explosion-proof electrical/ventilating/lighting.

Take precautionary measures against static
discharge.
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/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.

Wear respiratory protection.
Contaminated work clothing should not be allowed
out of the workplace.
Keep cool.
Do not breathe dust/fume/gas/mist/vapours/spray.

Storage

Prevents Handling of
Incompatible
Substances or

Conditions for Safe
Storage

Refer to "Section 10 – STABILITY AND
REACTIVITY".

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.

Personal Protective Equipment	Respiratory Protection	Use explosion-proof electrical equipment and prevent from static electrocity. 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 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		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
	Dermal	Classified as Not classified
	Inhalation	(gas) Does not fall under gas based on GHS definitions.
		(vapour) Classified as Category 4

Skin Corrosion/Irritation	(dust and mist) Unable to classify due to insufficient data. Classified as Category 2
Serious Eye Damage/Eye Irritation	Classified as Category 2A
Respiratory Sensitization	Classified as Category 1
Skin Sensitization	Classified as Category 1
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(respiratory apparatus)
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Classified as Category 3(narcotic effect)

Classified as Category 3(respiratory tract irritation)

Specific Target Organ Toxicity (Repeated Exposure)	Classified as Category 1(respiratory apparatus)
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Classified as Category 1(nervous system)

Aspiration Hazard	Classified as Classification not possible
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Section 12 – ECOLOGICAL INFORMATION

Hazardous to the Aquatic Environment, Short-Term (Acute)	Classified as Category 3
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Hazardous to the Aquatic Environment, Long-Term (Chronic)	Classified as Not classified
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Ecotoxicity	No data available
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Persistence	No data available
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Bioaccumulative Potential	No data available
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Mobility in Soil	No data available
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Hazardous to the Ozone Layer	Unable to classify due to insufficient data.
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Section 13 – DISPOSAL CONSIDERATIONS

Residual Waste	Before disposal, make the wastes harmless, stabilized, and neutralized, and minimize danger and toxicity of the wastes.
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Dispose of waste in accordance with local, state and federal regulations.

Contaminated Container and Packaging	Passed to a licensed waste contractor.
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In case of disposal of empty containers, remove the content thoroughly.

Section 14 – TRANSPORT INFORMATION

International Regulations	Regulatory Information by Sea	Conform to the provisions of IMO.
	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 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	Described in item 1
Other Property	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.