

Preparation Date 2021/02/22

Safety Data Sheet (SDS)

Section 1 – CHEMICALS AND COMPANY IDENTIFICATION

Chemical Identifier	REVOTEK LC
Product Code	210113-4
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 4 Acute toxicity (Inhalation: vapour) Category 1 Skin corrosion/irritation Category 1 Serious eye damage/eye irritation Category 1 Respiratory sensitization Category 1A Skin sensitization Category 1 Carcinogenicity Category 1A Specific target organ toxicity (single exposure) Category 2 (respiratory apparatus) Specific target organ toxicity (repeated exposure) Category 1 (respiratory apparatus kidney immunological system) 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	H302 Harmful if swallowed H314 Causes severe skin burns and eye damage H317 May cause an allergic skin reaction H330 Fatal if inhaled H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled H350 May cause cancer H371 May cause damage to respiratory apparatus H372 Causes damage to respiratory apparatus, kidney, immunological system through prolonged or repeated exposure
Precautionary Statements	
Prevention	Obtain special instructions before use.(P201)

	<p>Do not handle until all safety precautions have been read and understood.(P202)</p> <p>Do not breathe dust/fume/gas/mist/vapours/spray.(P260)</p> <p>Avoid breathing dust/fume/gas/mist/vapours/spray.(P261)</p> <p>Wash hand thoroughly after handling.(P264)</p> <p>Do not eat, drink or smoke when using this product.(P270)</p> <p>Use only outdoors or in a well-ventilated area.(P271)</p> <p>Contaminated work clothing should not be allowed out of the workplace.(P272)</p> <p>Wear protective gloves/protective clothing/eye protection/face protection.(P280)</p> <p>Wear respiratory protection.(P284)</p>
Response	<p>IF SWALLOWED: Call a doctor if you feel unwell.(P301+P312)</p> <p>IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.(P301+P330+P331)</p> <p>IF ON SKIN: Wash with plenty of soap and water.(P302+P352)</p> <p>IF ON SKIN or hair: Take off immediately all contaminated clothing. Rinse skin with water or shower.(P303+P361+P353)</p> <p>IF INHALED: Remove person to fresh air and keep comfortable for breathing.(P304+P340)</p> <p>IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.(P305+P351+P338)</p> <p>IF exposed or concerned: Call a doctor.(P308+P311)</p> <p>IF exposed or concerned: Get medical advice/attention.(P308+P313)</p> <p>Immediately call a doctor.(P310)</p> <p>Get medical advice and attention if you feel unwell.(P314)</p> <p>Specific treatment is urgent.(P320)</p> <p>Specific treatment.(P321)</p> <p>Rinse mouth.(P330)</p> <p>If skin irritation or rash occurs: Get medical advice/attention.(P333+P313)</p> <p>If experiencing respiratory symptoms: Call a doctor.(P342+P311)</p> <p>Take off contaminated clothing and wash it before reuse.(P362+P364)</p> <p>Wash contaminated clothing before reuse.(P363)</p>
Storage	<p>Store in a well-ventilated place. Keep container tightly closed.(P403+P233)</p> <p>Store locked up.(P405)</p>
Disposal	<p>Dispose of contents and container in accordance with local, regional and national regulations (to be specified).(P501)</p>

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.	
Urethane dimethacrylate	45%	Confidential	Confidential	Confidential	Confidential
Methacrylate monomer	15%	Confidential	Confidential	Confidential	Confidential
Sillica	15%	Confidential	Confidential	Confidential	Confidential
Prepolymerized filler	25%	Confidential	Confidential	Confidential	Confidential
Camphorquinone	Confidential	Confidential	Confidential	Confidential	Confidential
Colorant	Confidential	Confidential	Confidential	Confidential	Confidential

Section 4 – FIRST AID MEASURES

Inhalation

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

IF exposed or concerned: Call a doctor.
 Specific treatment is urgent.

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.

IF exposed or concerned: Call a doctor.

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.

IF exposed or concerned: Call a doctor.

Ingestion

IF SWALLOWED: Immediately call a doctor.

Rinse mouth.

IF exposed or concerned: Call a doctor.

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.

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
Prevention Measures for
Secondary Accidents

Large spills :Evacuate area.
Ensure adequate ventilation.
Do not discharge into the drains, surface waters or ground
water directly.
Sweep or vacuum spills to drums or containers.

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.
Use only outdoors or in a well-ventilated area.

Wear respiratory protection.
Wear protective gloves/protective clothing/eye
protection/face protection.
Contaminated work clothing should not be allowed out of
the workplace.
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
Hand Protection
Eye/Face Protection
Skin and Body
Protection

Wear respiratory protection.

Wear protective gloves.

Wear eye protection/face protection.

Wear protective clothing.

Section 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State		solid
Form		paste
Colour		Light yellow–redish
Odour		monomer odor
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		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	Classified as Category 4
	Dermal	Unable to classify
	Inhalation	(gas) Does not fall under gas based on GHS definitions. (vapour) Category 1 (dust and mist) Unable to classify
Skin Corrosion/Irritation		Category 1
Serious Eye Damage/Eye Irritation		Category 1
Respiratory Sensitization		Category 1A

Skin Sensitization Germ Cell Mutagenicity Carcinogenicity Reproductive Toxicity	Category 1 Unable to classify Category 1A (Reproductive toxicity) Unable to classify (Reproductive toxicity, effects on or via lactation)
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Specific Target Organ Toxicity (Single Exposure)	Unable to classify Category 2(respiratory apparatus)
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Specific Target Organ Toxicity (Repeated Exposure)	Classified as Category 1(respiratory apparatus)
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Aspiration Hazard	Classified as Category 1(kidney) Category 1(immunological system) Unable to classify
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Section 12 – ECOLOGICAL INFORMATION

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

Regulatory Information by Air	Not regulated
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Regulations in Japan	Regulatory Information by Road	Complies with the Poisonous and Deleterious Substances Control Act.
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	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	Described in item 1
Other Property	The information herein is given in good faith, but no warranty expressed or implied, is made.