

Preparation Date 2021/05/31

Safety Data Sheet (SDS)

Section 1 – CHEMICALS AND COMPANY IDENTIFICATION

Chemical Identifier	FREEGENOL TEMPORARY PACK (Accelerator)
Product Code	20210528-1
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.

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.

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 (Inhalation: dust and mist) Category 4 Serious eye damage/eye irritation Category 2B Respiratory sensitization Category 1 Skin sensitization Category 1
Environmental Hazards	Hazardous to the aquatic environment, short-term (acute) Category 2 Hazardous to the aquatic environment, long-term (chronic) Category 2 Other hazards than mentioned above are Not classified or Classification not possible.

GHS Label Elements

Pictograms



Signal Word	Danger
Hazard Statements	H317 May cause an allergic skin reaction H320 Causes eye irritation H332 Harmful if inhaled H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled H411 Toxic to aquatic life with long lasting effects

Precautionary Statements

Prevention	Avoid breathing dust/fume/gas/mist/vapours/spray.(P261) Wash eye thoroughly after handling.(P264) Use only outdoors or in a well-ventilated area.(P271)
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	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 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)
	Call a doctor if you feel unwell.(P312)
	Specific treatment.(P321)
	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)
	Collect spillage.(P391)
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.	
Beewax	Confidential	Confidential	Confidential	Confidential	Confidential
Rosin ester	Confidential	Confidential	Confidential	Confidential	Confidential
Polymeric carboxylic acid	Confidential	Confidential	Confidential	Confidential	Confidential
Oleic acid	Confidential	Confidential	Confidential	Confidential	Confidential

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 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.

If eye irritation persists: Get medical advice/attention.

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.

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.
in case of fine powder Sweep or vacuum spills to drums or containers.

Prevent dispersion of dust.
in case of fine powder Use explosion-proof electrical equipment and prevent from static electrocity.

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".

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

Wash hands thoroughly after handling.

Use only outdoors or in a well-ventilated area.

Wear respiratory protection.

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 Storage	Refer to "Section 10 – STABILITY AND REACTIVITY".
Conditions for Safe Storage	Refer to "Section 10 – STABILITY AND REACTIVITY". Store in well-ventilated place.

Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

	Exposure Limits (ACGIH)
Rosin ester	TWA – (L), STEL –;TWA 0.001 mg/m ³ (I), STEL –

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	Use explosion-proof electrical equipment and prevent from static electrocity. Wear respiratory protection. Wear protective gloves. If necessary,wear protective eye protection. If necessary,wear protective clothing.
	Respiratory Protection Hand Protection Eye/Face Protection Skin and Body Protection

Section 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Paste
Form	Paste
Colour	Tortoiseshell
Odour	Fruit-like
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
Flash Point	Upper Limit 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.
Chemical Stability	Stable under normal conditions of use.
Possibility of Hazardous Reaction	Under normal conditions of use, no dangerous reaction is known.
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) Does not fall under gas based on GHS definitions. (vapour) Unable to classify (dust and mist) Category 4
Skin Corrosion/Irritation		Classification not possible
Serious Eye Damage/Eye Irritation		Category 2B
Respiratory Sensitization		Category 1
Skin Sensitization		Category 1
Germ Cell Mutagenicity		Classification not possible
Carcinogenicity		Classification not possible
Reproductive Toxicity		(Reproductive toxicity) Unable to classify (Reproductive toxicity, effects on or via lactation)
Specific Target Organ Toxicity (Single Exposure)		Unable to classify Unable to classify
Specific Target Organ Toxicity (Repeated Exposure)		Unable to classify
Aspiration Hazard		Classification not possible

Section 12 – ECOLOGICAL INFORMATION

Hazardous to the Aquatic Environment, Short-Term (Acute)	Category 2
Hazardous to the Aquatic Environment, Long-Term (Chronic)	Category 2
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.
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	Applicable
	Liquid Substance	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	Not regulated
	Regulatory Information by Sea	Not regulated
	Marine Pollutant	Applicable
	Liquid Substance	Applicable
	Transported in Bulk	
	According to MARPOL 73/78, Annex II, the IBC Code	
	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.