

Preparation Date 2021/03/02

Safety Data Sheet (SDS)

Section 1 – CHEMICALS AND COMPANY IDENTIFICATION

Chemical Identifier PATTERN RESIN – Powder
 Product Code 210204-1
 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.

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.

Strictly adhere to the display rotation speed.

Section 2 – HAZARDS IDENTIFICATION

GHS Classification of the Chemical

Health Hazards Skin sensitization Category 1
 Environmental Hazards Hazardous to the aquatic environment, short-term (acute) Category 2
 Other hazards than mentioned above are Not classified or Classification not possible.

GHS Label Elements

Pictograms



Signal Word Warning
 Hazard Statements H317 May cause an allergic skin reaction
 H401 Toxic to aquatic life

Precautionary Statements

Prevention Avoid breathing dust/fume/gas/mist/vapours/spray.(P261)
 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)

Response IF ON SKIN: Wash with plenty of soap and water.(P302+P352)
 Specific treatment.(P321)
 If skin irritation or rash occurs: Get medical advice/attention.(P333+P313)
 Take off contaminated clothing and wash it before reuse.(P362+P364)

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.	
Polymethyl methacrylate	Confidential	Confidential	Confidential	Confidential	Confidential
benzoyl peroxide	<5%	Confidential	Confidential	Existing	Confidential
Pigment	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.
 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.

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.
 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.
 Keep unnecessary people away.

Special Protective Equipment and Precautions for Fire 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 Use goggles in combination with dust mask, and another protections as appropriate to situation.

Environmental Precautions Large spills :Evacuate area.
 Ensure adequate ventilation.
 Methods and Equipment for Containment and Cleaning Up 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 electricity.

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 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)
benzoyl peroxide	TWA 5 mg/m ³ , 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	Respiratory Protection	Use explosion-proof electrical equipment and prevent from static electricity. If necessary, wear respiratory protection.
	Hand Protection	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		solid (powder)
Colour		Pink
Odour		solvent odor
Melting Point/Freezing Point		Not applicable
Boiling Point or Initial Boiling Point and Boiling Ranges		Not applicable
Flammability		No data available
Lower and Upper Explosion Limit / Flammability Limit	Lower Limit	Not applicable
	Upper Limit	Not applicable
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		Not applicable
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	Not classified. Classification not possible.
	Dermal	Not classified. Classification not possible.
	Inhalation	(gas)

Does not fall under gas based on GHS definitions.

(vapour)
 Unable to classify.
 (dust and mist)
 Not classified.

Classification not possible .

Skin Corrosion/Irritation

Not classified.

Classification not possible.

Serious Eye Damage/Eye Irritation

Not classified.

Classification not possible.

Respiratory Sensitization

Unable to classify.

Skin Sensitization

Category 1.

Germ Cell Mutagenicity
 Carcinogenicity
 Reproductive Toxicity

Unable to classify.
 Unable to classify.
 (Reproductive toxicity)
 Unable to classify.
 (Reproductive toxicity, effects on or via lactation)

Specific Target Organ Toxicity (Single Exposure)

Unable to classify.
 Not classified.

Classification not possible.

Specific Target Organ Toxicity (Repeated Exposure)
 Aspiration Hazard

Unable to classify.
 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)

Not classified.

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.

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	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	Not regulated
	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
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 No information available

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