

Preparation Date 2021/01/28

Safety Data Sheet (SDS)

Section 1 – CHEMICALS AND COMPANY IDENTIFICATION

Chemical Identifier DIAPOLISHER PASTE
 Product Code 201211-5
 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.

Use for purposes other than those stated in the IFU is prohibited.

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.

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 Reproductive toxicity Category 2
 Specific target organ toxicity (single exposure) Category 1 (respiratory apparatus systemic toxicity)
 Specific target organ toxicity (single exposure) Category 2 (blood central nervous system)
 Specific target organ toxicity (repeated exposure) Category 2 (respiratory apparatus central nervous system)
 Environmental Hazards Hazardous to the aquatic environment, short-term (acute) Category 1
 Hazardous to the aquatic environment, long-term (chronic) Category 1
 Other hazards than mentioned above are Not classified or Classification not possible.

GHS Label Elements

Pictograms



Signal Word Danger
 Hazard Statements H361 Suspected of damaging fertility or the unborn child

H370 Causes damage to respiratory apparatus, systemic toxicity

H371 May cause damage to blood, central nervous system

H373 May cause damage to respiratory apparatus, central nervous system through prolonged or repeated exposure

H410 Very toxic to aquatic life with long lasting effects

Precautionary Statements

Prevention Obtain special instructions before use.(P201)
 Do not handle until all safety precautions have been read and understood.(P202)
 Do not breathe dust/fume/gas/mist/vapours/spray.(P260)
 Wash hand thoroughly after handling.(P264)
 Do not eat, drink or smoke when using this product.(P270)

Avoid release to the environment.(P273)
 Wear protective gloves/protective clothing/eye protection/face protection.(P280)

Response IF exposed or concerned: Call a doctor.(P308+P311)

IF exposed or concerned: Get medical advice/attention.(P308+P313)
 Get medical advice and attention if you feel unwell.(P314)

Storage Specific treatment.(P321)
 Collect spillage.(P391)

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.	
Glycerol	Confidential	Confidential	Confidential	Existing	Confidential
Zinc oxide	Confidential	Confidential	Confidential	Existing	Confidential
Diamond	Confidential	Confidential	Confidential	Confidential	Confidential
Silicon dioxide	Confidential	Confidential	Confidential	Confidential	Confidential
Xylitol	Confidential	Confidential	Confidential	Existing	Confidential
Fragrance	Confidential	Confidential	Confidential	Confidential	Confidential
Paraben	Confidential	Confidential	Confidential	Existing	Confidential

Section 4 – FIRST AID MEASURES

Inhalation

Call a doctor if you feel unwell.

IF exposed or concerned: Call a doctor.

Skin Contact

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

If skin irritation occurs: Get medical advice and attention.

Eye Contact

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.

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.

When dust occurs, use dry sand.

Unsuitable Extinguishing Media

Cylindric water.

Specific Hazards in Case of Fire

Risk of producing harmful gases such as carbon monoxide. Avoid inhalation of smoke or gases.

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> <p>Collect spillage.</p>
Methods and Equipment for Containment and Cleaning Up	<p>Do not discharge into the drains, surface waters or ground water directly.</p> <p>Sweep or vacuum spills to drums or containers.</p>
Prevention Measures for Secondary Accidents	<p>Keep away from sources of ignition and prepare extinguishing media.</p>

Section 7 – HANDLING AND STORAGE

Handling	Technical Measures	<p>Please comply with this section and the contents of this IFU.</p> <p>Provide ventilation system and use necessary personal protective equipment as described in “Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION”.</p> <p>Use local exhaust ventilation in case of production of fume or mist.</p> <p>Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.</p>
	Precautions for Safe Handling	<p>Do not eat, drink or smoke when using this product.</p> <p>Wash hands thoroughly after handling.</p> <p>Wear protective gloves/protective clothing/eye protection/face protection.</p> <p>Do not breathe dust/fume/gas/mist/vapours/spray.</p>
	Prevents Handling of Incompatible Substances or	Refer to “Section 10 – STABILITY AND REACTIVITY”.
Storage	Conditions for Safe Storage	<p>Refer to “Section 10 – STABILITY AND REACTIVITY”.</p> <p>Store locked up.</p>

Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls	<p>Use local exhaust ventilation in case of production of fume or mist.</p> <p>Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.</p> <p>Use explosion-proof electrical equipment and prevent from static electricity.</p>
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Personal Protective Equipment	Respiratory Protection	If necessary, wear respiratory protection.
	Hand Protection	Wear protective gloves.
	Eye/Face	Wear eye protection/face protection.
	Skin and Body Protection	Wear protective clothing.

Section 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State		solid
Form		paste
Colour		White
Odour		No data available
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		6.50
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	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) Classification not possible

Skin Corrosion/Irritation Classification not possible
 Serious Eye Damage/Eye Classification not possible
 Irritation

Respiratory Sensitization Unable to classify

Skin Sensitization Classification not possible

Germ Cell Mutagenicity Unable to classify
 Carcinogenicity Unable to classify
 Reproductive Toxicity (Reproductive toxicity)
 Category 2
 (Reproductive toxicity, effects on or via lactation)

Specific Target Organ Unable to classify due to insufficient data.
 Toxicity (Single Exposure) Category 1(respiratory apparatus, systemic toxicity)
 Category 2(blood, central nervous system)

Specific Target Organ Category 2(respiratory apparatus, central nervous
 Toxicity (Repeated system).
 Exposure)

Aspiration Hazard Classification not possible

Section 12 – ECOLOGICAL INFORMATION

Hazardous to the Aquatic Environment, Short-Term (Acute) Category 1

Hazardous to the Aquatic Environment, Long-Term (Chronic) Category 1

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	Not regulated
	Information by Air	
Regulations in Japan	Regulatory	Not regulated
	Information by	
	Regulatory	Not regulated
	Information by Sea	
	Marine Pollutant	applicable
	Liquid Substance	applicable
	Transported in Bulk	
	According to	
	MARPOL 73/78,	
	Annex II, the IBC	
	Code	
	Regulatory	Not regulated
	Information by Air	
Emergency Response		None
Guide Number		

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
Other Property

Described in item 1
The information herein is given in good faith, but no warranty expressed or implied, is made.