

Preparation Date 2021/02/10

Safety Data Sheet (SDS)

Section 1 – CHEMICALS AND COMPANY IDENTIFICATION

Chemical Identifier	Miracle Mix Liquid
Product Code	201214-8
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. 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	Skin corrosion/irritation Category 1 Serious eye damage/eye irritation Category 1 Other hazards than mentioned above are Not classified or Classification not possible.
----------------	---

GHS Label Elements

Pictograms



Signal Word	Danger
Hazard Statements	H314 Causes severe skin burns and eye damage
Precautionary Statements	
Prevention	Do not breathe dust/fume/gas/mist/vapours/spray.(P260) Wash hand thoroughly after handling.(P264) Wear protective gloves/protective clothing/eye protection/face protection.(P280)
Response	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.(P301+P330+P331) 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) Immediately call a doctor.(P310) Specific treatment.(P321) Wash contaminated clothing before reuse.(P363)
Storage	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.	
Polyacrylic acid	Confidential	Confidential	Confidential	Confidential	Confidential
Distilled water	Confidential	Confidential	Confidential	Confidential	Confidential
Polybasic carboxylic acid	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.
 If skin irritation occurs: Get medical advice and attention.
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.
Ingestion Rinse mouth.
 IF SWALLOWED: Call a doctor if you feel unwell.
 Do NOT induce vomiting.

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.
 Large spills :Evacuate area.
 Ensure adequate ventilation.
Environmental Precautions Do not discharge into the drains, surface waters or ground water directly.

Methods and Equipment
for Containment and
Cleaning Up

Large spills :Evacuate area.

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

small spill : absorb with material such as non-
combustible material wash thoroughly after handling

Prevention Measures for
Secondary Accidents

Cautiously neutralize with dry soda ash and slaked
lime if necessary.

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's 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/protective clothing/eye
protection/face protection.

Do not breathe dust/mist

Prevents Handling of
Incompatible
Substances or

Refer to "Section 10 – STABILITY AND
REACTIVITY".

Storage

Conditions for Safe
Storage

Refer to "Section 10 – STABILITY AND
REACTIVITY".

Store locked up.

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

If necessary, wear respiratory protection.

Hand Protection

If necessary, wear protective gloves.

Eye/Face Protection

Wear eye protection/face protection.

Skin and Body

If necessary, wear protective clothing.

Protection

Section 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State

liquid

Form

liquid

Colour

Light yellow

Odour

Odorless

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		1-2 at 20°C
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		approx. 1.25 g/ml
Relative Gas Density		No data available
Particle Characteristics		No data available

Section 10 – STABILITY AND REACTIVITY

Reactivity		No information available
Chemical Stability		Stable under normal conditions of use.
Possibility of Hazardous Reaction		No information available
Conditions to Avoid		No information available
Incompatible Substances or Mixtures		Strong oxidant
Hazardous Decomposition Products		Oxide of carbon

Section 11 – TOXICOLOGICAL INFORMATION

Acute Toxicity	Oral	Unable to classify
	Dermal	Unable to classify
	Inhalation	(gas) Does not fall under gas based on GHS definitions. (vapour) Unable to classify (dust and mist) Unable to classify
Skin Corrosion/Irritation		Category 1
Serious Eye Damage/Eye Irritation		Category 1
Respiratory Sensitization		Unable to classify
Skin Sensitization		Unable to classify
Germ Cell Mutagenicity		Unable to classify
Carcinogenicity		Unable to classify
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) Classification not possible

Hazardous to the Aquatic Environment, Long-Term (Chronic) Classification not possible

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.

Since it indicates strong acid, dispose of it after neutralizing with alkali.

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 Liquid Substance Not applicable 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 Transported in Bulk According to MARPOL 73/78, Annex II, the IBC Code	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.