## Preparation Date 2021/02/10

# Safety Data Sheet (SDS)

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Section 1 - CHEMICALS AND	COMPANY IDENTIFI	CATION
	Chemical Identifier	Miracle Mix CAPSULE Alloy
	Product Code	210210-1
	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's 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 IDENT GHS Classification of the		
	Health Hazards	Serious eye damage/eye irritation Category 2B Skin sensitization Category 1
		Specific target organ toxicity (single exposure)
		Category 1 (respiratory system digestive organs)
		Specific target organ toxicity (repeated exposure) Category 1 (eye respiratory apparatus lung)
		Other hazards than mentioned above are Not classified or Classification not possible.
GHS Label Elements		
	Pictograms	
		$\land$
		•
	Signal Word	Danger
	Hazard Statements	H317 May cause an allergic skin reaction
		H320 Causes eye irritation
		H370 Causes damage to respiratory system、
		digestive organs
		H372 Causes damage to eye、respiratory
		apparatus, lung through prolonged or repeated
		exposure
	Precautionary Stater	
	Prevention	Do not breathe
		dust/fume/gas/mist/vapours/spray.(P260)
		Avoid breathing
		dust/fume/gas/mist/vapours/spray.(P261)
		Wash hand thoroughly after handling.(P264)
		Wash eye thoroughly after handling.(P264)
		Do not eat, drink or smoke when using this
		product.(P270)
		Contaminated work clothing should not be allowed
		out of the workplace.(P272)

	Wear protective gloves/protective clothing/eye protection/face protection.(P280)
Response	IF ON SKIN: Wash with plenty of soap and water.(P302+P352)
	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy
	to do. Continue rinsing.(P305+P351+P338)
	IF exposed or concerned: Call a doctor.(P308+P311)
	Get medical advice and attention if you feel unwell.(P314)
	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)
	Take off contaminated clothing and wash it before reuse.(P362+P364)
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 Mixture

or Mixture		Mixture			
Chemical Name or	Concentration or Its	Formula	ENCS No./	ISHL No.	CAS RN
Generic Name	Ranges		ENCS No.	ISHL No.	
Silver	Confidential	Confidenti al	Confidenti al	Confidenti al	Confidential
Tin	Confidential	Confidenti al	Confidenti al	Confidenti al	Confidential
Copper	Confidential	Confidenti al	Confidenti al	Confidenti al	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.
	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	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.
	IF exposed or concerned: Call a doctor.
Ingestion	Rinse mouth.
	IF SWALLOWED: Call a doctor if you feel unwell.
	IF exposed or concerned: Call a doctor.

	Suitable Extinguishing		Use extinguishing agent suitable for type of
	Media		surrounding fire.
	Lineviteble Extinguishing		When dust occurs, use dry sand. No information available
	Unsuitable Extinguishing Media		
	Specific Hazards in Case		Risk of producing harmful gases such as carbon
	of Fire		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		Use goggles in combination with dust mask, and
	Equipment and		another protections as appropriate to situation.
	Precautions for Fire		
Sec	tion 6 - ACCIDENTAL REL	EASE MEASURES	
	Personal Precautions,		Use goggles in combination with dust mask, and
	Protective Equipment and		another protections as appropriate to situation.
	Emergency Procedures		
			Large spills :Evacuate area.
			Ensure adequate ventilation.
	Environmental		Do not discharge into the drains, surface waters or
	Precautions		ground water directly.
	Methods and Equipment for Containment and		in case of fine powder Sweep or vacuum spills to drums or containers.
	Cleaning Up		
			Prevent dispersion of dust.
			in case of fine powder Use explosion-proof electrical
			equipment and prevent from static electrocity.
	Prevention Measures for		Keep away from sources of ignition and prepare
	Secondary Accidents		extinguishing media.
			Risk of slipping. Spilled material forms slippery floor.
			Do not recklessly walk on the spillage.
~			
Sec	tion 7 – HANDLING AND S 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	Do not eat, drink or smoke when using this product.
		Handling	
			Wash hands thoroughly after handling.
			Wear protective gloves.
			Contaminated work clothing should not be allowed out of the workplace.
			Do not breathe dust/fume/gas/mist/vapours/spray.

# Prevents Handling of Refer to "Section 10 - STABILITY AND Incompatible REACTIVITY". Substances or Storage Conditions for Safe Storage Refer to "Section 10 - STABILITY AND REACTIVITY". Storage Refer to "Section 10 - STABILITY AND REACTIVITY". Storage REACTIVITY". Storage REACTIVITY".

#### Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Silver	Exposure Limits (ACGIH) TWA 0.1 mg/m3, STEL - (Metal, dust and fume)
Tin	TWA 2 mg/m3(I), STEL -
Copper	TWA 0.2 mg/m3, STEL − (Fume, as Cu);TWA 1 mg/m3, STEL − (Dusts and mists, as Cu)

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

#### Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Section 9 - PHI SIGAL AND		IE2
Physical State		solid
Form		solid (powder)
Colour		Grey
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		Product is not selfigniting.
Decomposition Temperature		No data available
pН		Not applicable
Kinematic Viscosity		No data available
Solubility		Insoluble in water
Partition Coefficient : n− Octanol/Water		No data available

	Vapour Pressure Density and/or Relative Density		Not applicable No data available
	Relative Gas Density		No data available
	Particle Characteristics		No data available
Se	ction 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		Spark
			Fire
			Heat
	Incompatible Substances or Mixtures		Halide
			Sulfuric compound
			Acid chloride
			Strong base
			Strong oxidant
			Acid
	Hazardous Decomposition		Metallic oxide
	Products		
Se	ction 11 - TOXICOLOGICA	L 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)
			Unable to classify
	Skin Corrosion/Irritation		Classification not possible
	Serious Eye Damage/Eye		Category 2B
	Irritation		
	Respiratory Sensitization		Unable to classify
	Skin Sensitization		Category 1
	Germ Cell Mutagenicity		Unable to classify
	Carcinogenicity		Unable to classify
	Reproductive Toxicity		(Reproductive toxicity)
			Unable to classify
			(Reproductive toxicity, effects on or via lactation)
			Unable to classify
	Specific Target Organ		Category 1(respiratory system)
	Toxicity (Single Exposure)	1	
			Category 1(digestive organs)

Specific Target Organ Toxicity (Repeated		Category 1(eye)
Exposure)		Category 1(respiratory apparatus)
		Category 1(lung)
Aspiration Hazard		Classification not possible
Section 12 – ECOLOGICAL IN Hazardous to the Aquatic Environment, Short-Term (Acute)		Classification not possible
Hazardous to the Aquatic Environment, Long-Term (Chronic)		Classification not possible
Ecotoxicity Persistence Bioaccumulative Potential	I	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 CON Residual Waste	SIDERATIONS	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
Contaminated Container and Packaging		federal regulations. Passed to a licensed waste contractor. In case of disposal of empty containers, remove the
		content thoroughly.
Section 14 – TRANSPORT IN International Regulations	FORMATION Regulatory Information by Sea UN No. Proper Shipping Name Class Packing Group Marine Pollutant Liquid Substance Transported in Bulk According to MARPOL 73/78, Annex II , the IBC Code Regulatory Information by Air UN No. Proper Shipping Name Class Packing Group	Conform to the provisions of IMO. 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. 9 III Applicable Not applicable Conform to the provisions of ICAO/IATA. 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. 9 II

Regulations in Japan	Regulatory Information by Road	Not regulated
	Regulatory Information by Sea	Conform to the provisions of the Ship Safety Law.
	UN No.	3077
	Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
	Class	9
	Packing Group	ш
	Marine Pollutant	Applicable
	Liquid Substance	Not applicable
	Transported in Bulk	
	According to	
	MARPOL 73/78,	
	Annex II , the IBC	
	Code	
	Regulatory Information by Air	Conform to the provisions of the Civil Aeronautics Law.
	UN No.	3077
	Proper Shipping	ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
	Name	SOLID, N.O.S.
	Class	9
	Packing Group	Ш
Emergency Response Guide Number		171

#### 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

Since this product consists of multiple individually packaged components, this SDS is written for each component.

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

# Safety Data Sheet (SDS)

## Section 1 - CHEMICALS AND COMPANY IDENTIFICATION

Chemical Identifier Product Code	Miracle Mix CAPSULE Powder 210210–3
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.

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

GHS Label Elements

No applicable GHS classification data

No information available

Call a doctor if you feel unwell.

to do. Continue rinsing.

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

If skin irritation occurs: Get medical advice and

IF SWALLOWED: Call a doctor if you feel unwell.

IF IN EYES: Rinse cautiously with water for several

minutes. Remove contact lenses, if present and easy

#### Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Distinction of Substance or Mixture

Mixture

Chemical Name or	Concentration or Its	Formula	ENCS No./	ISHL No.	CAS RN
Generic Name	Ranges		ENCS No.	ISHL No.	
Fluoro-alumino-silicate	Confidential	Confidenti	Confidenti	Confidenti	Confidential
glass		al	al	al	
Pigment	Confidential	Confidenti	Confidenti	Confidenti	Confidential
		al	al	al	

attention

Rinse mouth.

around the fire.

Keep unnecessary people away.

#### Section 4 - FIRST AID MEASURES

Inhalation Skin Contact

Eye Contact

Ingestion

#### Section 5 - FIRE FIGHTING MEASURES

Suitable Extinguishing Media	Non-combustible, substance itself does not burn.
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.

Special Protective Equipment and Precautions for Fire

#### Section 6 – ACCIDENTAL RELEASE MEASURES Personal Precautions, Protective Equipment and Emergency Procedures

Environmental Precautions

Use goggles in combination with dust mask, and another protections as appropriate to situation.

Prohibit unauthorized staff from entering the area

Use goggles in combination with dust mask, and

another protections as appropriate to situation.

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

	Methods and Equipment for Containment and Cleaning Up		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.
•			
Sec	tion 7 - HANDLING AND S 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.
		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 in well-ventilated place.
Sec	tion 8 - EXPOSURE CONT	ROLS / PERSONAL E	PROTECTION
000	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.
			Use explosion-proof electrical equipment and prevent from static electrocity.
	Personal Protective	Respiratory	If necessary, wear respiratory protection.
	Personal Protective Equipment	Protection	If necessary, wear respiratory protection.
		Protection Hand Protection	If necessary, wear respiratory protection. If necessary,wear protective gloves.
		Protection Hand Protection Eye/Face Protection	If necessary, wear respiratory protection. If necessary,wear protective gloves. If necessary,wear protective eye protection.
		Protection Hand Protection	If necessary, wear respiratory protection. If necessary,wear protective gloves.
Sec	Equipment	Protection Hand Protection Eye/Face Protection Skin and Body Protection	If necessary, wear respiratory protection. If necessary,wear protective gloves. If necessary,wear protective eye protection. If necessary,wear protective clothing.
Sec		Protection Hand Protection Eye/Face Protection Skin and Body Protection	If necessary, wear respiratory protection. If necessary,wear protective gloves. If necessary,wear protective eye protection. If necessary,wear protective clothing.
Sec	Equipment stion 9 – PHYSICAL AND C	Protection Hand Protection Eye/Face Protection Skin and Body Protection	If necessary, wear respiratory protection. If necessary,wear protective gloves. If necessary,wear protective eye protection. If necessary,wear protective clothing.
Sec	Equipment tion 9 - PHYSICAL AND C Physical State	Protection Hand Protection Eye/Face Protection Skin and Body Protection	If necessary, wear respiratory protection. If necessary,wear protective gloves. If necessary,wear protective eye protection. If necessary,wear protective clothing.
Sec	Equipment etion 9 – PHYSICAL AND C Physical State Form	Protection Hand Protection Eye/Face Protection Skin and Body Protection	If necessary, wear respiratory protection. If necessary,wear protective gloves. If necessary,wear protective eye protection. If necessary,wear protective clothing. S solid solid (powder)
Sec	Equipment stion 9 - PHYSICAL AND C Physical State Form Colour	Protection Hand Protection Eye/Face Protection Skin and Body Protection	If necessary, wear respiratory protection. If necessary,wear protective gloves. If necessary,wear protective eye protection. If necessary,wear protective clothing. S solid solid (powder) Light yellow
Sec	Equipment stion 9 - PHYSICAL AND C Physical State Form Colour Odour Melting Point/Freezing	Protection Hand Protection Eye/Face Protection Skin and Body Protection	If necessary, wear respiratory protection. If necessary,wear protective gloves. If necessary,wear protective eye protection. If necessary,wear protective clothing. S solid solid (powder) Light yellow Odorless

Flammability

No data available

#### Miracle Mix CAPSULE, GC Corporation, 2021/02/10, 10/17

	ower and Upper	Lower Limit	No data available
	xplosion Limit /		
Г	lammability Limit	llan av Limit	No data available
F	lash Point	Upper Limit	Not ignited
-	uto-Ignition		No data available
	emperature		
	ecomposition		No data available
	emperature		
р	Н		No data available
K	inematic Viscosity		No data available
	olubility		Insoluble in water
-	Partition Coefficient : n- Octanol/Water		No data available
V	apour Pressure		No data available
	ensity and/or Relative Density		No data available
R	elative Gas Density		No data available
Р	article Characteristics		No data available
0	on 10 - STABILITY AND		
	Reactivity	REACTIVITY	No information available
	Chemical Stability		Stable under normal conditions of use.
	ossibility of Hazardous		No information available
	Reaction		
С	Conditions to Avoid		No information available
Ir	ncompatible Substances		Acid
-	r Mixtures		
	lazardous Decomposition Products		No information available
	Toducts		
Secti	on 11 – TOXICOLOGICA	L INFORMATION	
A	cute Toxicity	Oral	Classification not possible
		<b>_</b> .	
		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
~	kin Corrosion/Irritation		
3	Kin Corrosion/Irritation		Classification not possible
S	erious Eye Damage/Eye		Classification not possible
Ir	ritation		
R	Respiratory Sensitization		Unable to classify
c	kin Sensitization		Classification not possible
3			Olassinication not possible
G	erm Cell Mutagenicity		Unable to classify

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 Classification not possible
Specific Target Organ Toxicity (Repeated Exposure)		Classification not possible
Aspiration Hazard		Classification not possible
Section 12 - ECOLOGICAL IN Hazardous to the Aquatic Environment, Short-Term (Acute)	IFORMATION	Classification not possible
Hazardous to the Aquatic Environment, Long-Term (Chronic)		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 CON Residual Waste	SIDERATIONS	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 IN		
International Regulations	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
Regulations in Japan	Regulatory Information by Road	Not regulated
	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
oonse	2	None

Emergency Response 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

Since this product consists of multiple individually packaged components, this SDS is written for each component.

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

# Safety Data Sheet (SDS)

## Section 1 - CHEMICALS AND COMPANY IDENTIFICATION

Section			UATION .
		Chemical Identifier	Miracle Mix CAPSULE Liquid
		Product Code	210210-2
		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.
	- HAZARDS IDENT Classification of the		
		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 L	abel Elements.		
		Pictograms	



		•
	Signal Word	Danger
	Hazard Statements	
	Precautionary Stater	
	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 of		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)
	Storage	Wash contaminated clothing before reuse.(P363) Store locked up.(P405)
	Disposal	Dispose of contents and container in accordance with local, regional and national regulations (to be specified).(P501)

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# Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Distinction of Substance or Mixture		Mixture		
Chemical Name or	Concentration or Its	Formula	ENCS No./	ISHL No.
Generic Name	Ranges		ENCS No.	ISHL No.
Polyacrylic acid	Confidential	Confidenti	Confidenti	Confidenti
		al	al	al
Distilled Water	Confidential	Confidenti	Confidenti	Confidenti

Confidential

# Section 4 - FIRST AID MEASURES

Polybasic carboxylic acid

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.

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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. Use goggles in combination with dust mask, and another protections as appropriate to situation.
Section 6 – ACCIDENTAL REL	FASE 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		Do not discharge into the drains, surface waters or
Precautions		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 : abeorb with material such as non- combustible materialwash thoroughly after handling
		Cautiously neutralize with dry soda ash and slaked lime if necessary.
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 S	TORAGE	
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.
	Prevents Handling of Incompatible Substances or	Do not breathe dust/mist 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 CON Engineering Controls	rols / Personal I	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 Eye/Face Protection Skin and Body Protection	If necessary,wear protective gloves. Wear eye protection/face protection. If necessary,wear protective clothing.
Section 9 - PHYSICAL AND C	HEMICAL PROPERTI	ES
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	Lower Limit	No data available
Explosion Limit /		
Flammability Limit		
	Upper Limit	No data available
Flash Point		No data available
Auto-Ignition Temperature		No data available
Decomposition Temperature		No data available
РH		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
		Stable under normal conditions of use.
Chemical Stability		
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 - TOXICOLOGICA Acute Toxicity	L INFORMATION Oral	Unable to classify

#### Dermal Inhalation

Unable to classify (gas) Does not fall under gas based on GHS definitions.

(vapour) Unable to classify (dust and mist) Unable to classify Category 1

Skin Corrosion/Irritation

Serious Eye Damage/Eye Irritation Respiratory Sensitization

Skin Sensitization Germ Cell Mutagenicity Carcinogenicity Reproductive Toxicity

Specific Target Organ Toxicity (Single Exposure)

Specific Target Organ Toxicity (Repeated Exposure) Aspiration Hazard

#### Section 12 - ECOLOGICAL INFORMATION Hazardous to the Aquatic Environment, Short-Term (Acute) Hazardous to the Aquatic Environment, Long-Term (Chronic) Ecotoxicity Persistence

Bioaccumulative Potential

Mobility in Soil Hazardous to the Ozone Layer

#### Section 13 - DISPOSAL CONSIDERATIONS Residual Waste

Contaminated Container and Packaging

Category 1

Unable to classify

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

Unable to classify Unable to classify

Unable to classify

Classification not possible

Classification not possible

Classification not possible

No data available No data available No data available

No data available Unable to classify

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.

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 Transported in Bulk According to MARPOL 73/78, Annex II, the IBC Code	Not applicable applicable
	Regulatory Information by Air	Not regulated
Regulations in Japan	Regulatory Information by Road	Not regulated
	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

Other Property

Described in item 1 Since this product consists of multiple individually packaged components, this SDS is written for each component.

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