

Preparation Date 2021/01/28

Safety Data Sheet (SDS)

Section 1 – CHEMICALS AND COMPANY IDENTIFICATION

Chemical MI Varnish
 Product Code 201218-2
 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.

Use for purposes other than those stated in the [Performance, Purpose of use, Efficacy or Effect] of the package insert is prohibited.

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

Physicochemical Flammable liquids Category 2
 Health Hazards Serious eye damage/eye irritation Category 2A
 Carcinogenicity Category 1A
 Reproductive toxicity Category 1A
 Specific target organ toxicity (single exposure) Category 3 (narcotic effect respiratory tract irritation)
 Specific target organ toxicity (repeated exposure) Category 1 (liver)
 Specific target organ toxicity (repeated exposure) Category 2 (respiratory apparatus central nervous system)
 Other hazards than mentioned above are Not classified or Classification not possible.

GHS Label Elements

Pictograms



Signal Word

Danger

Hazard

H225 Highly flammable liquid and vapour
 H319 Causes serious eye irritation
 H335 May cause respiratory irritation
 H336 May cause drowsiness or dizziness
 H350 May cause cancer
 H360 May damage fertility or the unborn child
 H372 Causes damage to liver through prolonged or repeated exposure
 H373 May cause damage to respiratory apparatus, central nervous system through prolonged or repeated exposure

Precautionary Statements

Prevention Obtain special instructions before use.(P201)

Do not handle until all safety precautions have been read and understood.(P202)
 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.(P210)

Keep container tightly closed.(P233)
 Ground and bond container and receiving equipment.(P240)
 Use explosion-proof electrical, ventilating and lighting equipment.(P241)
 Use non-sparking tools.(P242)
 Take action to prevent static discharges.(P243)

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)
 Use only outdoors or in a well-ventilated area.(P271)

Response
 Wear protective gloves/protective clothing/eye protection/face protection.(P280)
 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)

Storage
 IF exposed or concerned: Get medical advice/attention.(P308+P313)
 Call a doctor if you feel unwell.(P312)
 Get medical advice and attention if you feel unwell.(P314)
 If eye irritation persists: Get medical advice/attention.(P337+P313)
 In case of fire: Use appropriate media to extinguish.(P370+P378)

Store in a well-ventilated place. Keep container tightly closed.(P403+P233)
 Store in a well-ventilated place. Keep cool.(P403+P235)

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.	
Polyvinyl acetate	Confidential	Confidential	Confidential	Existing	Confidential
Ethanol	Confidential	Confidential	Confidential	Existing	Confidential

Rosin	Confidential	Confidential	Confidential	Existing	Confidential
Sodium Fluoride	Confidential	Confidential	Confidential	Existing	Confidential
CPP-ACP	Confidential	Confidential	Confidential	Confidential	Confidential
Silicon dioxide	Confidential	Confidential	Confidential	Existing	Confidential
Flavor	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 exposed or concerned: Get medical advice and attention.

Skin Contact
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

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

 If skin irritation occurs: Get medical advice and attention.
 IF exposed or concerned: Get medical advice and attention.

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: Get medical advice and attention.

Ingestion
 Rinse mouth.
 IF SWALLOWED: Call a doctor if you feel unwell.

 IF exposed or concerned: Get medical advice and attention.

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 Methods and Equipment for Containment and Cleaning Up Prevention Measures for Secondary Accidents	Do not discharge into the drains, surface waters or ground water directly. Sweep or vacuum spills to drums or containers. Keep away from sources of ignition and prepare extinguishing media.
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Section 7 – HANDLING AND STORAGE

Handling	Technical Measures	Please comply with this section and the contents of this IFU. Provide ventilation system and use necessary personal protective equipment as described in "Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION". Ground/bond container and receiving equipment. Use only non-sparking tools. Use explosion-proof electrical/ventilating/lighting. Take precautionary measures against static discharge. 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	Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. Keep cool. Do not breathe dust/fume/gas/mist/vapours/spray.
Storage	Prevents Handling of Incompatible Substances or Conditions for Safe Storage	Refer to "Section 10 – STABILITY AND REACTIVITY". Refer to "Section 10 – STABILITY AND REACTIVITY". Store locked up. Store container tightly closed in well-ventilated place.

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 Hand Protection Eye/Face Skin and Body Protection	If necessary, wear respiratory protection. Wear protective gloves. Wear eye protection/face protection. Wear protective clothing.

Section 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State		the others
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		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		No information available
Chemical Stability		No information available
Possibility of Hazardous Reaction		No information available
Conditions to Avoid 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) Unable to classify (vapour)
Skin Corrosion/Irritation		Classification not possible (dust and mist)
		Classification not possible
		Classification not possible
Serious Eye Damage/Eye Irritation		Category 2A
Respiratory Sensitization		Unable to classify
Skin Sensitization		Classification not possible
Germ Cell Mutagenicity		Unable to classify
Carcinogenicity		Category 1A
Reproductive Toxicity		(Reproductive toxicity)

Category 1A

(Reproductive toxicity, effects on or via lactation)

Specific Target Organ
Toxicity (Single Exposure)

Unable to classify
Category 3(narcotic effect, respiratory tract irritation)

Specific Target Organ
Toxicity (Repeated
Exposure)

Category 1(liver)

Category 2(central nervous system, respiratory
apparatus)

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
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
UN No.
Proper Shipping
Class
Packing Group
Marine Pollutant
Liquid Substance
Transported in
Bulk According to
MARPOL 73/78,
Annex II , the IBC
Code

Conform to the provisions of IMO.

1170

ETHANOL SOLUTION

3

II

Not applicable

applicable

Regulatory
Information by Air

Conform to the provisions of ICAO/IATA.

Regulations in Japan	UN No.	1170
	Proper Shipping Class	ETHANOL SOLUTION 3
	Packing Group	II
	Regulatory Information by	Not regulated
	Regulatory Information by	Conform to the provisions of the Ship Safety Law.
	UN No.	1170
	Proper Shipping Class	ETHANOL SOLUTION 3
	Packing Group	II
	Marine Pollutant Liquid Substance	Not applicable applicable
	Transported in Bulk According to MARPOL 73/78, Annex II, the IBC Code	
Emergency Response Guide Number	Regulatory Information by Air	Conform to the provisions of the Civil Aeronautics Law.
	UN No.	1170
	Proper Shipping Class	ETHANOL SOLUTION 3
	Packing Group	II
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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.