

Preparation Date 2021/02/12

Safety Data Sheet (SDS)

Section 1 – CHEMICALS AND COMPANY IDENTIFICATION

Chemical Identifier	OSTRON 100 Liquid
Product Code	210113-3
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'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 IDENTIFICATION

GHS Classification of the Chemical

Physicochemical	Flammable liquids Category 2
Health Hazards	Acute toxicity (Inhalation: vapour) Category 4
	Acute toxicity (Inhalation: dust and mist) Category 4
	Skin corrosion/irritation Category 2
	Serious eye damage/eye irritation Category 2A
	Respiratory sensitization Category 1
	Skin sensitization Category 1
	Carcinogenicity Category 2
	Specific target organ toxicity (single exposure) Category 1 (respiratory apparatus)
	Specific target organ toxicity (single exposure) Category 2 (blood)
	Specific target organ toxicity (single exposure) Category 3 (narcotic effect)
	Specific target organ toxicity (repeated exposure) Category 1 (respiratory apparatus nervous system)
	Specific target organ toxicity (repeated exposure) Category 2 (liver kidney)
Environmental Hazards	Hazardous to the aquatic environment, short-term (acute) Category 3
	Other hazards than mentioned above are Not classified or Classification not possible.

GHS Label Elements

Pictograms



Signal Word	Danger
Hazard Statements	H225 Highly flammable liquid and vapour
	H315 Causes skin irritation
	H317 May cause an allergic skin reaction
	H319 Causes serious eye irritation

H332 Harmful if inhaled
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled
H336 May cause drowsiness or dizziness
H351 Suspected of causing cancer
H370 Causes damage to respiratory apparatus
H371 May cause damage to blood
H372 Causes damage to respiratory apparatus, nervous system through prolonged or repeated exposure

H373 May cause damage to liver, kidney through prolonged or repeated exposure
H402 Harmful to aquatic life

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

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)
Wear respiratory protection.(P284)
IF ON SKIN: Wash with plenty of soap and water.(P302+P352)
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)

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

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)

Specific treatment.(P321)
 If skin irritation occurs: Get medical advice/attention.(P332+P313)
 If skin irritation or rash occurs: Get medical advice/attention.(P333+P313)
 If eye irritation persists: Get medical advice/attention.(P337+P313)
 If experiencing respiratory symptoms: Call a doctor.(P342+P311)
 Take off contaminated clothing and wash it before reuse.(P362+P364)

Storage

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.	
Methyl methacrylate	>88 %	Confidential	Confidential	Confidential	Confidential
Paraffin oil	<10 %	Confidential	Confidential	Confidential	Confidential
Tertiary amine	<2 %	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 experiencing respiratory symptoms call a doctor.

Skin Contact

IF exposed or concerned: Call a doctor.
 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 or rash occurs, get medical advice and attention.

Specific treatment.

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.

If eye irritation persists: Get medical advice/attention.

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.

Unsuitable Extinguishing Media
When dust occurs, use dry sand.

Specific Hazards in Case of Fire
No information available
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.

Wear respiratory protection.

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
Wear respiratory protection.

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

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

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's 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 respiratory protection.
Wear protective gloves/protective clothing/eye protection/face protection.
Contaminated work clothing should not be allowed out of the workplace.
Keep cool.
Do not breathe dust/fume/gas/mist/vapours/spray.

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.
Store container tightly closed in well-ventilated place.

Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

	Exposure Limits (ACGIH)
Methyl methacrylate	TWA 50 ppm, STEL 100 ppm

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

Section 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State	liquid
Form	liquid
Colour	Clear
Odour	Characteristic
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		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
	Dermal	Not classified
	Inhalation	(gas) Does not fall under gas based on GHS definitions. (vapour) Category 4 (dust and mist) Category 4
Skin Corrosion/Irritation		Category 2
Serious Eye Damage/Eye Irritation		Category 2A
Respiratory Sensitization		Category 1
Skin Sensitization		Category 1
Germ Cell Mutagenicity		Unable to classify
Carcinogenicity		Category 2
Reproductive Toxicity		(Reproductive toxicity) Unable to classify (Reproductive toxicity, effects on or via lactation) Unable to classify
Specific Target Organ Toxicity (Single Exposure)		Category 1(respiratory apparatus) Category 2(blood) Category 3(narcotic effect)
Specific Target Organ Toxicity (Repeated Exposure)		Category 1(respiratory apparatus) Category 1(nervous system)

Aspiration Hazard
 Category 2(liver)
 Category 2(kidney)
 *Category 2(blood)
 Classification not possible

Section 12 – ECOLOGICAL INFORMATION

Hazardous to the Aquatic Environment, Short-Term (Acute)	Category 3
Hazardous to the Aquatic Environment, Long-Term (Chronic)	Not classified
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	Conform to the provisions of IMO.
	UN No.	1247
	Proper Shipping Class	METHYL METHACRYLATE, MONOMER, STABILIZED 3
	Packing Group	II
	Marine Pollutant	Not applicable
	Liquid Substance	Applicable
	Transported in Bulk	
	According to MARPOL 73/78, Annex II, the IBC Code	
	Regulatory Information by Air	Conform to the provisions of ICAO/IATA.
	UN No.	1247
	Proper Shipping Class	METHYL METHACRYLATE, MONOMER, STABILIZED 3
	Packing Group	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.	1247
	Proper Shipping Class	METHYL METHACRYLATE, MONOMER, STABILIZED 3
	Packing Group	II
	Marine Pollutant	Not applicable

Liquid Substance Transported in Bulk According to MARPOL 73/78, Annex II, the IBC Code	Applicable
Regulatory Information by Air	Conform to the provisions of the Civil Aeronautics Law.
UN No.	1247
Proper Shipping Class	METHYL METHACRYLATE, MONOMER, STABILIZED 3
Packing Group	II
Emergency Response Guide Number	129P

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.