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Revision 2025.11.13

Safety Data Sheet (SDS)

Section 1 – CHEMICALS AND COMPANY IDENTIFICATION

Chemical Identifier	Ink-1312Y
Product Code	1312Y
Reference Number	66
Name of Supplier	Hitachi Industrial Equipment Systems Co.,Ltd.
Address	1-1 Higashitaga-cho 1-chome,Hitachi-shi, Ibaraki-ken, 316-8502 Japan
Department in Charge	Ink Group, Marking Systems and Hoist Systems Division
Phone Number	+81-294-36-8682
Fax Number	+81-294-36-8975
Mail Address	aida-kohhei@hitachi-ies.co.jp
Emergency Phone Number	+81-294-36-8682
Recommended Use	Industrial ink jet printers
Restriction on Use	If the product is to be used for applications other than those recommended, seek the judgment of an expert/chemical substance specialist, etc.

Section 2 – HAZARDS IDENTIFICATION

GHS Classification of the Chemical

Physicochemical	Flammable liquids Category 2
Health Hazards	Acute toxicity (Inhalation: vapour) Category 4 Skin corrosion/irritation Category 2 Serious eye damage/eye irritation Category 2A Skin sensitization Category 1 Reproductive toxicity Category 1B Specific target organ toxicity (single exposure) Category 2(kidney) Specific target organ toxicity (single exposure) Category 3(narcotic effects, respiratory tract irritation) Specific target organ toxicity (repeated exposure) Category 1(nervous system)
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 H335 May cause respiratory irritation H336 May cause drowsiness or dizziness H360 May damage fertility or the unborn child H371 May cause damage to kidney H372 Causes damage to nervous system through prolonged or repeated exposure H402 Harmful to aquatic life
Precautionary Statements	

Prevention	<p>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)</p> <p>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)</p> <p>Do not breathe dust/fume/gas/mist/vapours/spray.(P260) Avoid breathing dust/fume/gas/mist/vapours/spray.(P261) Wash hands thoroughly after handling.(P264) Wash eyes 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)</p> <p>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)</p>
Response	<p>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)</p> <p>IF exposed or concerned: Call a doctor.(P308+P311)</p> <p>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) Take off contaminated clothing and wash it before reuse.(P362+P364) In case of fire: Use appropriate media to extinguish.(P370+P378)</p>
Storage	<p>Store in a well-ventilated place. Keep container tightly closed.(P403+P233) Store in a well-ventilated place. Keep cool.(P403+P235)</p> <p>Store locked up.(P405)</p>

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 (wt%)	Formula	ENCs No./ISHL No.		CAS RN
			ENCs No.	ISHL No.	
Methyl ethyl ketone	60-70	CH ₃ CH ₂ COCH ₃	(2)-542	Existing	78-93-3
Isopropyl alcohol	0.1-1	CH ₃ CH(OH)CH ₃	(2)-207	Existing	67-63-0
3-Glycidyloxypropyltrimethoxy silane	1-3	-	(2)-2071	Existing	2530-83-8
2-Methoxy-1-methylethyl Acetate	5-10	-	(2)-3144	Existing	108-65-6

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: Call a doctor.

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 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.

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

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 Fighters

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.

As far as we know, the information that is listed here is accurate. However, the above-mentioned suppliers or their subsidiaries shall not be liable for the accuracy or completeness of the information described above.

Environmental Precautions
 Methods and Equipment for Containment and Cleaning Up
 Prevention Measures for Secondary Accidents

Ensure adequate ventilation.
 Do not discharge into the drains, surface waters or ground water directly.
 No information available

Keep away from sources of ignition and prepare extinguishing media.

Section 7 – HANDLING AND STORAGE

Handling	Technical Measures	<p>Provide ventilation system and use necessary personal protective equipment as described in “Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION”.</p> <p>Ground/bond container and receiving equipment. Use only non-sparking tools. Use explosion-proof electrical/ventilating/lighting.</p> <p>Take precautionary measures against static discharge.</p> <p>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.</p>
	Precautions for Safe Handling	<p>Contaminated work clothing should not be allowed out of the workplace. Keep cool. Do not breathe dust/fume/gas/mist/vapours/spray.</p> <p>Do not eat, drink or smoke when using this product.</p> <p>Wash hands thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.</p>
	Prevents Handling of Incompatible Substances or Mixtures	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. Store container tightly closed in well-ventilated place.</p>

Section 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

	Japan Administration Level	Exposure Limits (Japan Society for Occupational Health)	TLVs (ACGIH)
Methyl ethyl ketone	200ppm	200ppm(590mg/m3)	TWA 200 ppm, STEL 300 ppm
Isopropyl alcohol	200ppm	[Maximum allowable concentration] 400ppm (980mg/m3)	TWA 200 ppm, STEL 400 ppm
3-Glycidyoxypropyltrimethoxy silane	Not listed	Not listed	Not listed
2-Methoxy-1-methylethyl Acetate	Not listed	Not listed	Not listed

	Concentration standards specified by the Minister of Health, Labour and Welfare	
	Concentration standard value for 8-hours exposure	Concentration standard value for short-term exposure/ceiling
Methyl ethyl ketone	Not listed	Not listed
Isopropyl alcohol	Not listed	Not listed

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3-Glycidyoxypropyltrimethoxy	Not listed	Not listed
2-Methoxy-1-methylethyl Acetate	Not listed	Not listed

TLVs (ACGIH) can be referenced at: <https://www.acgih.org/>

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 electricity.
Personal Protective Equipment	Respiratory Protection	Select and wear appropriate respiratory protective equipment based on risk assessments and other measures.
	Hand Protection	Wear appropriate protective equipment, including impervious or impermeable safety gloves, as circumstances dictate. Select and wear appropriate safety gloves based on risk assessments and other measures.
	Eye/Face Protection	Select and wear appropriate face and eye protection based on risk assessments and other measures.
	Skin and Body Protection	Wear appropriate protective equipment such as impervious and impermeable protective clothing and footwear, as circumstances dictate. Select and wear appropriate protective clothing and footwear based on risk assessments and other measures.

Section 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State		Liquid
Form		Liquid
Colour		Yellow
Odour		Solvent odor
Melting Point/Freezing Point		-86.4°C (as 2-Butanone)
Boiling Point or Initial Boiling Point and Boiling Ranges		79.6 °C (as 2-Butanone)
Flammability		Flammability
Lower and Upper Explosion Limit / Flammability Limit	Lower Limit	1.8vol% (as 2-Butanone)
	Upper Limit	11.5vol% (as 2-Butanone)
Flash Point		-5.7°C (Tag Closed Cup)
Auto-Ignition Temperature		505°C (as 2-Butanone)
Decomposition Temperature		No data available
pH		No data available
Kinematic Viscosity		3.5mm ² /s
Solubility		water: 29g/100mL (20°C) (as 2-Butanone)
Partition Coefficient : n-Octanol/Water		0.29(as 2-Butanone)
Vapour Pressure		10.5kPa (20°C) (as 2-Butanone)
Density and/or Relative Density		0.91
Relative Gas Density		2.41 (Air= 1, as 2-Butanone)
Particle Characteristics		No data available

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Section 10 – STABILITY AND REACTIVITY

Reactivity	Does not react dangerously under normal conditions.
Chemical Stability	Stable under normal conditions of use.
Possibility of Hazardous Reaction	Flammable
Conditions to Avoid	There is a risk of explosion due to impacts, friction, flame and other source of ignition.
Incompatible Substances or Mixtures	No data available
Hazardous Decomposition Products	No data available
Other Data	No data available

Section 11 – TOXICOLOGICAL INFORMATION

Acute Toxicity	Oral	Classification not possible since lots of the concentrations of unknown ingredients.
	Dermal	Classification not possible since lots of the concentrations of unknown ingredients.
	Inhalation	(gas) Does not fall under gas based on GHS definitions. (vapour) Classified as Category 4 since ATE is 2500 to 20000(ppmV). (dust and mist) Classification not possible since lots of the concentrations of unknown ingredients.
Skin Corrosion/Irritation		Classified as Category 2 since the sum of Category 2 ingredients is more than 10%.
Serious Eye Damage/Eye Irritation		Classified as Category 2A since the sum of 10 × (Eye Category 1 + Skin Category 1) is more than 10%.
Respiratory Sensitization		Classification not possible since lots of the concentrations of unknown ingredients.
Skin Sensitization		Classified as Category 1 since one of the Category 1 ingredients is more than 1.0%.
Germ Cell Mutagenicity		Classification not possible since lots of the concentrations of unknown ingredients.
Carcinogenicity		Classification not possible since lots of the concentrations of unknown ingredients.
Reproductive Toxicity		(Reproductive toxicity) Classified as Category 1B since one of the Category 1B ingredients is more than 0.3%. (Reproductive toxicity, effects on or via lactation)
		Classification not possible since lots of the concentrations of unknown ingredients.
Specific Target Organ Toxicity (Single Exposure)		Classified as Category 2(kidney) since one of the Category 2(kidney) ingredients is more than 10%.
		Classified as Category 3(narcotic effects) since the sum of Category 3(narcotic effects) ingredients is more than 20%.
		Classified as Category 3(respiratory tract irritation) since the sum of Category 3(respiratory tract irritation) ingredients is more than 20%.
Specific Target Organ Toxicity (Repeated Exposure)		Classified as Category 1(nervous system) since one of the Category 1(nervous system) ingredients is more than 10%.

As far as we know, the information that is listed here is accurate. However, the above-mentioned suppliers or their subsidiaries shall not be liable for the accuracy or completeness of the information described above.

Aspiration Hazard Classification not possible since lots of the concentrations of unknown ingredients.

Section 12 – ECOLOGICAL INFORMATION

Hazardous to the Aquatic Environment, Short-Term (Acute) Classified as Category 3 since the sum of (M × 100 × Category 1) + (10 × Category 2) + Category 3 ingredients is more than 25%.

Hazardous to the Aquatic Environment, Long-Term (Chronic) Classification not possible since lots of the concentrations of unknown ingredients.

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 due to insufficient data.

Section 13 – DISPOSAL CONSIDERATIONS

Residual waste Because waste materials such as liquid waste, paper towels used to wipe it up, or empty containers are flammable combustible materials, the section on “specially controlled industrial waste(Flammable waste oil)” from the Waste Management and Public Cleaning Law (Waste Management Law) is applicable.

Either appropriately process in accordance with Waste Management and Public Cleaning Law, or commission a contractor licensed for transport or disposal of industrial waste requiring special management.

Do not let wastewater, etc. used for cleaning machinery or containers flow directly onto the ground or in to the culverts.

For waste materials generated by wastewater treatment, incineration, etc. either carry out processing in accordance with the Waste Management and Public Cleaning Law and related laws and regulations, or commission a licensed vendor to do so.

When incinerating of waste materials, etc., do not use an incinerator without cleaning equipment, as harmful gas will be generated.

Clarify the contents of waste materials and entrust disposal to a waste disposal company.

Contaminated containers and packaging Empty containers should be treated as industrial wastes and not allowed to contain waste.

Section 14 – TRANSPORT INFORMATION

International Regulations Regulatory Information Conform to the provisions of IMO.
by Sea

UN No. 1210

Proper Shipping Name PRINTING INK RELATED MATERIAL

Class 3

Packing Group II

Marine Pollutant Not applicable

Liquid Substance Not applicable

Transported in Bulk According to MARPOL

73/78, Annex II, the IBC Code

Regulatory Information Conform to the provisions of ICAO/IATA.
by Air

Regulations in Japan	UN No.	1210
	Proper Shipping Name	PRINTING INK RELATED MATERIAL
	Class	3
	Packing Group	II
	Regulatory Information by Road or Rail	Complies with the Fire Service Act.
	Regulatory Information by Sea	Conform to the provisions of the Ship Safety Law.
	UN No.	1210
	Proper Shipping Name	PRINTING INK RELATED MATERIAL
	Class	3
	Packing Group	II
Emergency Response Guide Number	Marine Pollutant	Not 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.	1210
	Proper Shipping Name	PRINTING INK RELATED MATERIAL
	Class	3
	Packing Group	II
	Emergency Response Guide Number	130

Section 15 – REGULATORY INFORMATION

Industrial Safety and Health Act

Ordinance on the Prevention of Organic Solvent Poisoning Paragraph 1 Article 1 part 4 (Second-class organic solvents, etc.), Enforcement Ordinance 2 of Appendix 6

Isopropyl alcohol
Methanol
Methyl ethyl ketone
Ethyl acetate

the standards for work environment monitoring Article 65 part 2-1

Dangerous goods and hazardous goods for which the name, etc. should be indicated (Article 57, Paragraph 1 of the Act, Article 18, Item 2 ~ Item 3 of the Enforcement Order, Appended Table 2 of Article 30 of the Safety and Health Regulations)

Methyl ethyl ketone

Dangerous Substances –Flammable substances(Order Article Appended Table 1 part 4)

Dangerous goods and hazardous goods whose names, etc. should be notified (Article 57-2, Paragraph 1 of the Act, Article 18-2, Item 2 ~ Item 3 of the Enforcement Order, Article 34-2 Appended Table 2 of the Safety and Health Regulations)

Propyl alcohol(Ordinance on Industrial Safety and Health Number of Appended Tables 2:1780) (Trade Secrets)

Methyl ethyl ketone(Ordinance on Industrial Safety and Health Number of Appended Tables 2:2034) (Trade Secrets)

Materials for special medical examinations and current handling workers(Industrial Safety and Health Act66 2 and Order for Enforcement of Industrial Safety and Health Act Article 22 (i))

Chemical substances that damage the skin, etc. / Harmful substances that cause skin irritation (Article 594-2, Paragraph 1 of the Safety and Health Regulations, No. 0531 No. 9 issued on May 31, 2020, No. 0704 issued on July 4, 2020) List of substances applicable to No. 1 and 5)

2-[[3-(Trimethoxysilyl)propoxy]methyl]oxirane

Industrial Safety and Health Act (Substances subject to labeling and notification, Carcinogenic substances) (Implementation in Reiwa 8)	Chemical substances that damage the skin, etc., and harmful substances that absorb the skin (List of substances subject to Article 594-2, Paragraph 1 of the Safety and Health Regulations, 0531-9 issued on May 31, Reiwa 4, and 0704-1 and 5 of July 4, Reiwa 5)
	Methyl ethyl ketone Dangerous goods and hazardous goods for which the name, etc. should be indicated (Article 57, Paragraph 1 of the Act, Article 18, Item 2 ~ Item 3 of the Enforcement Order, Appended Table 2 of Article 30 of the Safety and Health Regulations)
	Methyl ethyl ketone 2-Methoxy-1-methylethyl Acetate Dangerous goods and hazardous goods whose names, etc. should be notified (Article 57-2, Paragraph 1 of the Act, Article 18-2, Item 2 ~ Item 3 of the Enforcement Order, Article 34-2 Appended Table 2 of the Safety and Health Regulations)
	Propyl alcohol (Ordinance on Industrial Safety and Health Number of Appended Tables 2:1780) (Trade Secrets) Methyl ethyl ketone (Ordinance on Industrial Safety and Health Number of Appended Tables 2:2034) (Trade Secrets)
Industrial Safety and Health Act (Substances subject to labeling and notification, Carcinogenic substances) (Implementation in Reiwa 9)	2-Methoxy-1-methylethyl Acetate (Ordinance on Industrial Safety and Health Number of Appended Tables 2:610) (Trade Secrets) Dangerous goods and hazardous goods for which the name, etc. should be indicated (Article 57, Paragraph 1 of the Act, Article 18, Item 2 ~ Item 3 of the Enforcement Order, Appended Table 2 of Article 30 of the Safety and Health Regulations)
	2-[[3-(Trimethoxysilyl)propoxy]methyl]oxirane Methyl ethyl ketone 2-Methoxy-1-methylethyl Acetate Dangerous goods and hazardous goods whose names, etc. should be notified (Article 57-2, Paragraph 1 of the Act, Article 18-2, Item 2 ~ Item 3 of the Enforcement Order, Article 34-2 Appended Table 2 of the Safety and Health Regulations)
	2-[[3-(Trimethoxysilyl)propoxy]methyl]oxirane (Ordinance on Industrial Safety and Health Number of Appended Tables 2:1431 02) (Trade Secrets) Propyl alcohol (Ordinance on Industrial Safety and Health Number of Appended Tables 2:1780) (Trade Secrets) Methyl ethyl ketone (Ordinance on Industrial Safety and Health Number of Appended Tables 2:2034) (Trade Secrets)
Poisonous and Deleterious Substances Control Act Act on Confirmation, etc. of Release Amounts of Specific Chemical Substances in the Environment and Promotion of Improvements to the Management Thereof	Not applicable Class 1 Designated Chemical Substances (Article 2, Paragraph 2 of the Law, Article 1, Appendix 1 of the Enforcement Ordinance)
	2-[[3-(Trimethoxysilyl)propoxy]methyl]oxirane (control number: 693) (2.0%)

Act on the Regulation of Manufacture and Evaluation of Chemical Substances	Priority Assessment Chemical Substances(Article 2 part 5)
Fire Service Act	Hazardous Materials Category IV inflammable liquids Class I petroleums non water-soluble Packing Group II
Water Pollution Prevention Act	Hazardous substances (Article 2, Ordinance of Enforcement, article 2, Ordinance 1) that prescribe wastewater standards) Specified substances (article 2, paragraph 4 of the Act, article 3 of the Enforcement Ordinance)
Narcotics and Psychotropics Control Act	Narcotics and psychotropic raw materials (Article 2, Paragraph 1, Item 7, Appendix 4, Item 9 of the Law, Article 5 of the Designation Order)
Foreign Exchange and Foreign Trade Act	Import Trade Control Order Appended Table I part 16 Export approved goods: Narcotics and psychotropic raw materials (Article 48, Paragraph 3 of the Law; Article 2, Appendix 2, Paragraph 21-3 of the Export Order; Article 1 of Ministerial Ordinance No. 38 of June 19, 1992) Export approved goods, specified hazardous waste, etc. (Article 48, Paragraph 3 of the Law, Article 2, Attached Table 2, Paragraph 35-2 of the Export Order)
Ship Safety Law Aviation Law	Flammable liquids(Order Article 3,Appended Table I) Flammable liquids(Order Article 194,Appended Table I)

Section 16 – OTHER INFORMATION

Industrial Safety and Health Act	Second-class organic solvents, etc.contain more than 5% of Second-class organic solvents. In the case where “composition and ingredient information” corresponds to the secret of the business, the description of the content is the conventional range display. However, it is possible to notify us separately by the method of information transmission agreed with the customer, such as a confidentiality agreement. For more information, please contact our sales representative. 2-butanone and methyl ethyl ketone, MEK and ethyl methyl ketone are the same substances. Isopropyl alcohol belongs to propyl alcohol. 3-Glycidyloxypropyltrimethoxysilane and 2-[[3-(Trimethoxysilyl)propoxy]methyl]oxirane are the same substance.
Act on the Regulation of Manufacture and Evaluation of Chemical Substances	We have a Priority Assessment Chemical Substance posting threshold of 0.1% or more. The posting of a Priority Assessment Chemical Substance in SDS is as of November 2019 as an effort.
Foreign Exchange and Foreign Trade Act	In law, printing inks are not approved for export
Fire Service Act	The flash point of Class I petroleums is less than 21 ° c.
Poisonous and Deleterious Substances Control Act	The deleterious substances is only applicable to the material, and the mixture is non-applicable.
RoHS Specified Substance Concentration	Substances treated as equipment are exempt from this law. Cd<100ppm Pb, Hg, Cr(VI), PBB, PBDE, DEHP, DBP, BBP, DIBP <1000ppm
Allowable concentration Standards Cited Literature	TLV-TWA: Threshold Limit Values-Time Weighted Average STEL (Short Term Exposure Limit JIS Z7253:2019 1) International Chemical Safety Cards 2) National Institute of Technology and Evaluation (NITE), Japan

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3) Site for Safe Workplace by Ministry of Health, Labour and Welfare, Japan

4) EZSDS(JCDB)

Additional Information
about This Product:

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.