1/10

Issue 2015.11.19 Revision 2024.09.13

Safety Data Sheet (SDS)

Section 1 - CHEMICALS AND COMPANY IDENTIFICATION

Section 1 - CHEMICALS AND	COMPANY IDENTIFICAT	TION
	Chemical Identifier	Ink-3111K/Ink-K111
	Product Code	3111K/JP-K111
	Reference Number	35
	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	IJP ink Group, Marking Systems and Hoist Systems Division
	Phone Number Fax Number	+81-294-36-8682 +81-294-36-8975
	Mail Address	
		aida-kohhei@hitachi-ies.co.jp +81-294-36-8682
	Emergency Phone Number	
	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 IDENTIF GHS Classification of the C		
	Physicochemical	Flammable liquids Category 2
	Health Hazards	Serious eye damage/eye irritation Category 1
		Carcinogenicity Category 1A
		Reproductive toxicity Category 1A
		Specific target organ toxicity (single exposure)
		Category 2(systemic toxicity, central nervous system)
		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(blood, central nervous system)
	Environmental Hazards	Hazardous to the aquatic environment, short-term (acute) Category 3
		Hazardous to the aquatic environment, long-term (chronic) Category 3
		Other hazards than mentioned above are Not classified or Classification not possible.
GHS Label Elements		
	Pictograms	
	Signal Word Hazard Statements	Danger H225 Highly flammable liquid and vapour H318 Causes serious eye damage H335 May cause respiratory irritation H336 May cause drowsiness or dizziness H350 May cause cancer H360 May damage fertility or the unborn child H371 May cause damage to systemic toxicity, central nervous system

H372 Causes damage to liver through prolonged or repeated exposure H373 May cause damage to blood, central nervous system through prolonged or repeated exposure

H412 Harmful to aquatic life with long lasting effects

Precautionary Statements

Frecautionary Stat	ements			
Prevention	Obtain special instructions before use.(P201)			
	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.(P210)			
	Wear protective gloves/protective clothing/eye protection/face protection.(P280)			
Response	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: Get medical advice/attention.(P308+P313)

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Distinction of Substance or Mixture

Mixture

Chemical Name or Generic	Concentration or Its	Formula	ENCS No./I	SHL No.	CAS RN
Name	Ranges (wt%)		ENCS No.	ISHL No.	
Ethanol	75-less than 85	СН3СН2ОН	(2)-202	Registered	64-17-5
Isopropyl alcohol	3–5	CH3CH(OH)CH3	(2)–207	Registered	67-63-0
n-Propyl alcohol	5–10	CH3CH2CH 2OH	(2)-207	Registered	71-23-8
Chromium and its compounds	5–10	-	Registered(Trade secret)	Registered(Trade secret)	Trade secret
lithium nitrate	0.1-1	LiNO3	(1)-765	Registered	7790-69-4

Section 4 - FIRST AID MEASURES

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 occurs: Get medical advice and attention.
	IF exposed or concerned: Call a doctor.
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.
	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.
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 Specific Fire Fighting		Risk of producing harmful gases such as carbon monoxide. Avoid inhalation of smoke or gases. 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.
S	ction 6 - ACCIDENTAL RELE		
Sec	Personal Precautions, Protective Equipment and Emergency Procedures	ASE MEASURES	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		No information available
	Containment and Cleaning		
	Up		
	Prevention Measures for		Keep away from sources of ignition and prepare
	Secondary Accidents		extinguishing media.
Sec	ction 7 – HANDLING AND ST		
	Handling	Technical Measures	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	Keep cool.
			Do not breathe dust/fume/gas/mist/vapours/spray.
			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.
		Prevents Handling of Incompatible Substances or Misturae	Refer to "Section 10 - STABILITY AND REACTIVITY".
	Storage	Mixtures Conditions for Safe	Refer to "Section 10 - STABILITY AND REACTIVITY".
		Storage	
			Store locked up.
			Store container tightly closed in well-ventilated place.

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

	Japan Administration	Exposure Li	nits (.lanan	TLVs (ACGIH)
	Level	Society for	into (Japan	
		Occupationa	l Health)	
Ethanol	Not listed	Not listed	in riourcity	TWA -, STEL 1000 ppm
Isopropyl alcohol	200ppm	Maximum	allowable	TWA 200 ppm, STEL 400 pp
	20000011	concentratio		
		(980mg/m3)		
n-Propyl alcohol	Not listed	Not listed		TWA 100 ppm, STEL -
Chromium and its	Not listed	0.5 mg/m3 as	cr3+	Not listed
compounds	Not listed	0.011g/ 110 a	3 010	
lithium nitrate	Not listed	Not listed		Not listed
	Concentration standar	ds specified b	y the Minist	er of Health, Labour and
	Welfare			
	Concentration standar	d value for	Concentrati	on standard value for short-
	8-hours exposure		term exposu	
Ethanol	Not listed		Not listed	
Isopropyl alcohol	Not listed		Not listed	
n-Propyl alcohol	Not listed		Not listed	
Chromium and its	Not listed		Not listed	
compounds	Not listed		Not listed	
•			Not listed	
lithium nitrate	Not listed		Not listed	
Engineering Controls		Lise local ex	haust ventila	tion in case of production of
		fume or mist		
				ng this material should be
				h facility and a safety showe
		equipped mi	in an eyewas	in addincy and a safety showe
				twicel conviews and and second
		from static		trical equipment and prevent
	D		-	
Personal Protective	Respiratory Protection			ate respiratory protective
Equipment	Protection		ased on risk	assessments and other
		measures.		
	Hand Protection			ive equipment, including
				le safety gloves, as
		circumstanc	es dictate.	
				ate safety gloves based on ri
		assessment	s and other n	neasures.
	Eye/Face Protection	Select and w	vear appropri	ate face and eye protection
		based on ris	k assessmen	ts and other measures.
	Skin and Body	Wear approp	riate protect	ive equipment such as
	Protection	impervious a	ind impermea	ble protective clothing and
			circumstanc	
		Select and y		
			vear appropri	ate protective clothing and
			vear appropri	
		footwear ba	vear appropri	ate protective clothing and
tion 9 – PHYSICAL AND CH	EMICAL PROPERTIES	footwear ba	vear appropri	ate protective clothing and
	EMICAL PROPERTIES	footwear ba	vear appropri	ate protective clothing and
Physical State	EMICAL PROPERTIES	footwear bas measures. Liquid	vear appropri	ate protective clothing and
tion 9 – PHYSICAL AND CH Physical State Form Colour	EMICAL PROPERTIES	footwear bas measures.	vear appropri	ate protective clothing and
Physical State Form Colour	EMICAL PROPERTIES	footwear bas measures. Liquid Liquid Black	vear appropri sed on risk a	ate protective clothing and
Physical State Form Colour Odour	EMICAL PROPERTIES	footwear bas measures. Liquid Liquid Black Solvent odo	vear appropri sed on risk a	ate protective clothing and
Physical State Form Colour Odour Melting Point/Freezing	EMICAL PROPERTIES	footwear bas measures. Liquid Liquid Black	vear appropri sed on risk a	ate protective clothing and
Physical State Form Colour Odour Melting Point/Freezing Point	EMICAL PROPERTIES	footwear bas measures. Liquid Liquid Black Solvent odo -114.5 °C (a	vear appropri sed on risk as sethanol)	ate protective clothing and
Physical State Form Colour Odour Melting Point/Freezing Point Boiling Point or Initial	EMICAL PROPERTIES	footwear bas measures. Liquid Liquid Black Solvent odo	vear appropri sed on risk as sethanol)	ate protective clothing and
Physical State Form Colour Odour Melting Point/Freezing Point Boiling Point or Initial Boiling Point and Boiling	EMICAL PROPERTIES	footwear bas measures. Liquid Liquid Black Solvent odo -114.5 °C (a	vear appropri sed on risk as sethanol)	ate protective clothing and
Physical State Form Colour Odour Melting Point/Freezing Point Boiling Point or Initial Boiling Point and Boiling Ranges	EMICAL PROPERTIES	footwear bas measures. Liquid Liquid Black Solvent odo -114.5 °C (a 78.3°C (as E	vear appropri sed on risk as as Ethanol) thanol)	ate protective clothing and
Physical State Form Colour Odour Melting Point/Freezing Point Boiling Point or Initial Boiling Point and Boiling Ranges Flammability		footwear bas measures. Liquid Liquid Black Solvent odoi -114.5 °C (a 78.3°C (as E Flammability	vear appropri sed on risk as as Ethanol) thanol)	ate protective clothing and
Physical State Form Colour Odour Melting Point/Freezing Point Boiling Point or Initial Boiling Point and Boiling Ranges Flammability Lower and Upper Explosion		footwear bas measures. Liquid Liquid Black Solvent odo -114.5 °C (a 78.3°C (as E	vear appropri sed on risk as as Ethanol) thanol)	ate protective clothing and
Physical State Form Colour Odour Melting Point/Freezing Point Boiling Point or Initial Boiling Point and Boiling Ranges Flammability Lower and Upper Explosion		footwear bas measures. Liquid Liquid Black Solvent odoi -114.5 °C (a 78.3°C (as E Flammability	vear appropri sed on risk as as Ethanol) thanol)	ate protective clothing and
Physical State Form Colour Odour Melting Point/Freezing Point Boiling Point or Initial Boiling Point and Boiling Ranges Flammability Lower and Upper Explosion	Lower Limit	footwear bas measures. Liquid Liquid Black Solvent odor -114.5 °C (a 78.3°C (as E Flammability 3.3vol% (as E	vear appropri sed on risk as as Ethanol) thanol)	ate protective clothing and
Physical State Form Colour Odour Melting Point/Freezing Point Boiling Point or Initial Boiling Point and Boiling Ranges Flammability Lower and Upper Explosion Limit / Flammability Limit		footwear bas measures. Liquid Liquid Black Solvent odo -114.5 °C (a 78.3°C (as E Flammability 3.3vol% (as E 19vol% (as E	vear appropri sed on risk as as Ethanol) thanol) Ethanol)	ate protective clothing and ssessments and other
Physical State Form Colour Odour Melting Point/Freezing Point Boiling Point or Initial Boiling Point and Boiling Ranges Flammability Lower and Upper Explosion	Lower Limit	footwear bas measures. Liquid Liquid Black Solvent odo -114.5 °C (a 78.3°C (as E Flammability 3.3vol% (as E 19vol% (as E	vear appropri sed on risk as as Ethanol) thanol)	ate protective clothing and ssessments and other

Auto-Ignition Temperature		363°C (as Ethanol)
Decomposition Temperature		No data available
рН		No data available
Kinematic Viscosity		3.9mm2/s
Solubility		water soluble in any(as Ethanol)
Partition Coefficient : n– Octanol/Water		-0.31 (as Ethanol)
Vapour Pressure		5.9kPa (20°C)(as Ethanol)
Density and/or Relative Density		0.83
Relative Gas Density		1.59 (Air=1, as Ethanol)
Particle Characteristics		No data available
as Ethanol		
Boiling Point or Initial		78.3°C
Boiling Point and Boiling		
Ranges		
Density and/or Relative		0.7892(20°C, 4°C)
Density		
as Isopropyl alcohol		
Boiling Point or Initial		82.4°C
Boiling Point and Boiling		
Ranges		
Density and/or Relative		0.7863(20°C, 20°C)
Density		
as n−Propyl alcohol		
Boiling Point or Initial		97.4°C, 49.92°C(90mmHg), 30.35°C(28.5mmHg)
Boiling Point and Boiling		
Ranges		0.0005/00%0 /1%0
Density and/or Relative Density		0.8035(20°C/4°C)
as lithium nitrate		001 ⁹ O
Melting Point/Freezing Point		261°C
		600°C
Decomposition Temperature		800 C
Kinematic Viscosity		0mm2/S(40°C)
Density and/or Relative		2.37(20°C, 4°C)
Density		
Section 10 – STABILITY AND REAC Reactivity	11111	Does not react dangerously under nomal conditions.
Chemical Stability		Stable under normal conditions of use.
Possibility of Hazardous		Flammable
Reaction		
Conditions to Avoid		There is a risk of explosion due to impacts, friction, flame and other
		source of ignition.
Incompatible Substances or		No data available
Mixtures		No data availabla
Hazardous Decomposition Products		No data available
Other Data		No data available
Section 11 - TOXICOLOGICAL INFO	ORMATION	
Acute Toxicity Ora	al	Classification not possible since lots of the
_		concentrations of unknown ingredients.
Der	mal	Classification not possible since lots of the
<u>-</u> .		concentrations of unknown ingredients.
Inha	alation	(gas)
		Does not fall under gas based on GHS definitions.
		(vapour)

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

Classification not possible since lots of the concentrations of unknown ingredients. (dust and mist) Unable to classify due to insufficient data. Classification not possible since lots of the concentrations of unknown ingredients.

Classified as Category 1 since the sum of Eye Category 1 ingredients is more than 3%. Unable to classify due to insufficient data.

Unable to classify due to insufficient data. Unable to classify due to insufficient data. Classified as Category 1A since one of the Category 1A ingredients is more than 0.1%. (Reproductive toxicity) Classified as Category 1A since one of the Category 1A ingredients is more than 0.3%. (Reproductive toxicity, effects on or via lactation)

Unable to classify due to insufficient data. Classified as Category 2(systemic toxicity) since one of the Category 1(systemic toxicity) ingredients is 1 to 10%.

Classified as Category 2(central nervous system) since one of the Category 1(central nervous system) ingredients is 1 to 10%.

Classified as Category 3(narcotic effect) since the sum of Category 3(narcotic effect) 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%.

Classified as Category 1(liver) since one of the Category 1(liver) ingredients is more than 10%.

Classified as Category 2(central nervous system) since one of the Category 2(central nervous system) ingredients is more than 10%.

Classified as Category 2(blood) since one of the Category 1(blood) ingredients is 1 to 10%.

Unable to classify due to insufficient data.

Classified as Category 3 since the sum of $(M \times 100 \times Category 1) + (10 \times Category 2) + Category 3$ ingredients is more than 25%.

Classified as Category 3 since the sum of $(M \times 100 \times Category 1) + (10 \times Category 2) + Category 3$ ingredients is more than 25%.

No data available No data available No data available

No data available Unable to classify due to insufficient data.

	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 groundor in to the culverts.
		For waste materials generated by wastewater treatment, incineration, etc. either carry out processingin 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 INFO International Regulations	DRMATION Regulatory Information by Sea	Conform to the provisions of IMO.
	UN No. Proper Shipping Name Class Packing Group	1210 PRINTING INK RELATED MATERIAL 3 II
	Marine Pollutant Liquid Substance Transported in Bulk According to MARPOL 73/78, Annex II, the IBC Code	Not applicable Not applicable
	Regulatory Information by Air	Conform to the provisions of ICAO/IATA.
	UN No. Proper Shipping Name Class Packing Group	1210 PRINTING INK RELATED MATERIAL 3 II
Regulations in Japan	Regulatory Information by Road	Complies with the Fire Service Act.
	Regulatory Information by Sea	Conform to the provisions of the Ship Safety Law.
	UN No. Proper Shipping Name Class	1210 PRINTING INK RELATED MATERIAL 3
	Packing Group Marine Pollutant	II Not applicable
	Liquid Substance Transported in Bulk According to MARPOL 73/78, Annex II, the IBC Code	Not applicable
	Regulatory Information by Air	Conform to the provisions of the Civil Aeronautics Law.
	UN No.	1210

Emergency Response Guide Number	Class Packing Group	PRINTING INK RELATED MATERIAL 3 II 130
Section 15 - REGULATORY INF Industrial Safety and Health		the standards for work environment monitoring Article 65 part 2–1
Act		Dangerous or Harmful Substances Subject to Be Indicated their Names, etc. (Article 57 part 1 ,Order Article 18 part 1 and 2, Attached Table9)
		Dangerous or Harmful Substances Subject to Be Indicated their Names, etc. (Article 57 part 1 ,Order Article 18 part 1 and 2, Attached Table9)
		Dangerous or Harmful Substances Subject to Be Indicated their Names, etc. (Article 57 part 1 ,Order Article 18 part 1 and 2, Attached Table9)
		Dangerous or Harmful Substances Subject to Be Indicated their Names, etc.
		(Article 57 part 1 ,Order Article 18 part 1 and 2, Attached Table9) Dangerous Substances -Flammable substances(Order Article
		Appended Table 1 part 4) Hazardous Substances to be notified in terms of Whose Names,etc .(Article 57 part 2 ,Order Article 18 part 2–1and part 2, Attached Table9)
		Hazardous Substances to be notified in terms of Whose Names,etc .(Article 57 part 2 ,Order Article 18 part 2-1and part 2, Attached Table9)
		Ethanol(Number: 61) (70%-80%) (Trade Secrets) Hazardous Substances to be notified in terms of Whose Names,etc .(Article 57 part 2 ,Order Article 18 part 2-1and part 2, Attached Table9)
		Chromium and its compounds (excluding chromic acid and chromate and dichromate and dichromate) (Number:142)(1%-10%)(Trade Secrets)
		Hazardous Substances to be notified in terms of Whose Names,etc .(Article 57 part 2 ,Order Article 18 part 2–1and part 2, Attached Table9)
		Propyl alcohol(Number:494) (1%-10%)(Trade Secrets) Lithium Nitrate(Number:310) (less than 5%) (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)
		n-Propyl alcohol 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)
Industrial Safety and Health Act(after 2024/4/1)		Propyl alcohol Dangerous or Harmful Substances Subject to Be Indicated their Names, etc. (Article 57 part 1 .Order Article 18 part 1 and 2. Attached Table9)

(Article 57 part 1 ,Order Article 18 part 1 and 2, Attached Table9)

		 Hazardous Substances to be notified in terms of Whose Names,etc .(Article 57 part 2 ,Order Article 18 part 2–1and part 2, Attached Table9) Chromium and its compounds (excluding hexavalent chromium compounds)(Number:142) (1%–10%) (Trade Secrets) Organic Solvent Poisoning Prevention Regulations Article 1–2 (Class 2 Organic Solvents, etc.), Enforcement Ordinance Appendix 6–2 Not applicable
Poisonous and Deleterious Substances Control Act		Not applicable
Act on Confirmation, etc. of Release Amounts of Specific Chemical Substances in the Environment and Promotion of Improvements to the Management Thereof		Not applicable
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
Water Pollution Prevention Act		petroleums non water-soluble Packing Group II 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)
Foreign Exchange and Foreign Trade Act		Import Trade Control Order Appended Table I part 4
Ship Safety Law Aviation Law		Import Trade Control Order Appended Table I part 16 Flammable liquids(Order Article 3,Appended Table I) Flammable liquids(Order Article 194,Appended Table I)
Section 16 - OTHER INFORMA	ΓΙΟΝ	
	Industrial Safety and Health Act	Second-class organic solvents, etc.contain more than 5% of Second- class organic solvents.
		In the "15. Applicable laws" column, the materials for which label and SDS will be mandated are also listed. (Substance without a decree number.) Reiwa based on 0111 No. 1 from the Kiankahatsu, on January 11, 2022.)
		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.
	Act on the Regulation of Manufacture and Evaluation of Chemical Substances	Isopropyl alcohol belongs to propyl alcohol. 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 Poisonous and Deleterious Substances Control Act	The flash point of Class I petroleums is less than 21 $^\circ$ c. The deleterious substances is only applicable to the material, and the mixture is non-applicable.
		Substances treated as equipment are exempt from this law.

RoHS Specified Substance Concentration	Cd<100ppm Pb, Hg, Cr(VI), PBB, PBDE, DEHP, DBP, BBP, DIBP ${<}1000ppm$
Allowable concentration Standards	TLV-TWA: Threshold Limit Values-Time Weighted Average STEL (Short Term Exposure Limit JIS Z7253:2019
Cited Literature	1) International Chemical Safety Cards
	2) National Institute of Technology and Evaluation (NITE), Japan
	 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.