

Hayashi Pure Chemical Ind.,Ltd.

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SDS code: F9-18

Version: 05

Safety Data Sheet

1. Chemical product and company identification

Product name SDS code	:	Color standard solution 1000 F9-18		
Company/undertaking : identification HAYASHI PURE CHEMICAL IND.,LTD. Address : 3-2-12 Uchihiranomachi, Chuo-ku, Osaka, Osaka, Japan Telephone : 06-6910-7305 E-mail : shiyaku_kikaku@hpc-j.co.jp URL : https://www.hpc-j.co.jp/				
Emergency number	:	06-6910-7305		
Recommended use	:	For research and experimental use only.		
Restrictions on use	:	Do not use on a human body or for animal medicines, foods, household products, cosmetics, etc.		

2. Hazards identification

GHS classification

Physical hazards	Explosives	classification not possible
	Flammable gases	No classification
	Aerosol	classification not possible
	Oxidizing gases	No classification
	Gases under pressure	No classification
	Flammable liquids	classification not possible
	Flammable solids	No classification
	Self-reactive substances and mixtures	classification not possible
	Pyrophoric liquids	classification not possible
	Pyrophoric solids	No classification
	Self-heating substances and mixtures	classification not possible
	Substances and mixtures which in contact with water emit flammable gases	classification not possible
	Oxidizing liquids	classification not possible
	Oxidizing solids	No classification
	Organic peroxides	classification not possible
	Corrosive to metals	Category 1
	Desensitized explosives	classification not possible
Health hazards	Acute toxicity (oral)	Category 4
	Acute toxicity (dermal)	classification not possible
	Acute toxicity (inhalation:gas)	Category 4
	Acute toxicity (inhalation:vapors)	classification not possible
	Acute toxicity (inhalation:dust/mist)	Category 3
	Skin corrosion/irritation	Category 1
	Serious eye damage/eye irritation	Category 1
	Respiratory sensitization	Category 1
	Skin sensitization	No classification
	Germ cell mutagenicity	classification not possible
	Carcinogenicity	No classification
	Reproductive toxicity	classification not possible
	Specific target organ toxicity (single exposure)	Category 2 (respiratory system)

	Specific target organ toxicity (repeated exposure) Aspiration hazard	Category 2 (tooth, respiratory system) classification not possible
Environmental hazards	Hazardous to the aquatic environment, short-term (acute)	Category 2
	Hazardous to the aquatic environment, long-term (chronic	classification not possible
	Hazardous to the ozone layer	classification not possible
Hazard pictograms (GHS JP)		
	GHS05 GHS06	GHS08
Signal word (GHS JP) : Danger	
Hazard statements (G	HS JP) : May be corror Harmful if sw Causes seve Toxic if inhal May cause a inhaled (H33 May cause d May cause d prolonged or	in allergy or asthma symptoms or breathing difficulties if
Precautionary statem	ents (GHS JP)	
Prevention	Do not breat Wash hands Do not eat, c Use only out Avoid releas Wear protect (P280)	original container. (P234) he dust/fume/gas/mist/vapors/spray. (P260) , forearms and face thoroughly after handling. (P264) drink or smoke when using this product. (P270) doors or in a well-ventilated area. (P271) e to the environment. (P273) tive gloves/protective clothing/eye protection/face protection. wadequate ventilation] wear respiratory protection. (P284)
Response	(P301+P312 IF SWALLOV (P301+P330) IF ON SKIN Rinse skin w IF INHALED breathing (P3 IF IN EYES: contact lense (P305+P351) IF exposed of (P308+P311) Immediately Get medical If experiencia (P342+P311) Wash contar	WED: Rinse mouth. Do NOT induce vomiting. +P331) (or hair): Take off immediately all contaminated clothing. ith water . (P303+P361+P353) : Remove person to fresh air and keep comfortable for 304+P340) Rinse cautiously with water for several minutes. Remove es, if present and easy to do. Continue rinsing. +P338) or concerned: Call a POISON CENTER or doctor.) call a POISON CENTER or doctor. (P310) advice/attention if you feel unwell. (P314) ng respiratory symptoms: Call a POISON CENTER or doctor.
Storage	: Store in a we (P403+P233 Store locked	ell-ventilated place. Keep container tightly closed.
Disposal	: Dispose of c	ontents/container to hazardous or special waste collection ordance with local, regional, national and/or international

3. Composition/information on ingredients

Distinction of substance or mixture : Mixture

	Concentration or		Kanpo		
Name	Concentration range	Formula	CSCL no	ISHL no	CAS RN
Potassium hexachloroplatinate(IV)	About 0.24%	K2PtCl6	(1)-1095	Existing Chemical Substance	16921-30-5
Cobalt(II) chloride	About 0.10%	CoCl2	(1)-207	Existing Chemical Substance	7646-79-9
Hydrogen chloride	About 8.2%	HCI	(1)-215	Existing Chemical Substance	7647-01-0
Water	About 91.46%	H2O	-	-	7732-18-5

The above concentration or concentration range are not product specification.

All percentages listed in the above concentration or concentration range are wt%, unless otherwise specified.

4. First aid measures

First aid measures

:	Remove person to fresh air and keep comfortable for breathing. Get immediate medical advice/attention.
:	Remove/Take off immediately all contaminated clothing.
	Gently wash with plenty of soap and water.
	Get immediate medical advice/attention.
:	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	Get immediate medical advice/attention.
:	Do NOT induce vomiting.
	Drink plenty of water.
	Rinse mouth.
	Get immediate medical advice/attention.
	:

5. Fire fighting measures

Suitable extinguishing media	:	Water spray, Alcohol-resistant foam, Dry powder, Carbon dioxide, Sand.
Unsuitable extinguishing media	:	Do not use a heavy water stream.
Fire hazard	:	This product is unburnable.
Explosion hazard	:	May induce explosion of containers by heating.
Hazardous decomposition products in case of fire	:	In case of fire, product may produce irritative or toxic fumes/gases.
Firefighting instructions :		If ignited, for the initial fire-fighting, cut off combustion sources, extinguish fire at a stroke using appropriate fire-extinguishers.
		In the case of peripheral fire, quickly remove movable containers to safe places.
		If unable to be moved containers, sprinkle water to containers and surrounding equipment, etc. to cool.
		Avoid (reject) fire-fighting water to enter environment.
		Even after extinguishing fire, thoroughly cool containers by using plenty of water.
Protection during firefighting	:	Wear appropriate fire-resistant clothing including self contained- compressed air breathing apparatus.

6. Accidental release measures

ipment and Emergency Procedures			
Before entering, ventilate the area.			
Do not let unauthorized persons come close to the area.			
Immediately place the leakage area in isolation, with taking proper distances for all directions.			
Wear appropriate personal protective devices to prevent inhalation and contact with eye, skin, and clothing, and never attempt to work on the lee.			
Avoid release to the environment.			
Prevent entry to sewers and public waters.			
Methods and Equipment for Containment and Cleaning up			
Clean up any spills as soon as possible, using an absorbent material to collect it.			
Collect leaking and spilled liquid in sealable containers as far as possible.			
Wash out the spilled area with large amounts of water.			
If possible, neutralize with slaked lime, soda ash, etc. before washing out.			

7. Handling and storage

Handling		
Technical measures	:	Work with appropriate personal protective equipment to prevent inhalation or contact to eyes, skin, and clothing.
		Handle with care to prevent leakage, overflowing, or scattering, minimize generation of mist or vapor, and thoroughly ventilate.
Precautions for safe handling	:	Do not eat, drink or smoke when using this product.
		Thoroughly wash your hands and gargle after handling.
		Ensure good ventilation of the work station.
		Do not contact, breathe or swallow.
Prevents handling of incompatible substances or mixtures	:	Avoid prolonged or repeated exposure.
Storage		
Storage conditions	:	Store locked up.
		Store in a well-ventilated place, away from direct sunlight. Keep container tightly closed and keep away from fire and heat sources.
		Store in corrosive resistant container with a resistant inner liner.
Material used in packaging/containers	:	Light shielding airtight container.
Technical measures	:	Comply with applicable regulations.
Storage temperature	:	Cool and dark place

8. Exposure controls / Personal protection equipment

Exposure limit values	
Potassium hexachloroplatinate(IV)	
Exposure limits (JSOH)	0.001mg/m3(Platinum, Soluble salts, as Pt)
Cobalt(II) chloride	·
Japan administration level	0.02mg/m3(as Co)
Exposure limits (JSOH)	0.05mg/m3(as Co)
Hydrogen chloride	
Exposure limits (JSOH)	[Ceiling]2ppm(3.0mg/m3)
Exposure limits (ACGIH)	TWA -,STEL C 2 ppm
Appropriate engineering controls :	Cover up tightly the generation source at the handling place or install local exhaust equipment or overall ventilation equipment. Install safety showers and eye-fountains near a handling place. Clearly indicate the location.
Protective equipment	
Respiratory protection :	Gas mask for acid gases
Hand protection :	Impervious protective gloves

Eye protection	: Protective glasses (general glasses, glasses with side-shields, goggles)
Skin and body protection	: Impervious aprons, Impervious work clothing, Impervious long boots

9. Physical and chemical properties

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Physical state	:	Liquid
Appearance	:	Liquid
Color	:	lightorange yellow
Odor	:	No data available
рН	:	≤ 1 (25°C)
Melting point	:	No data available
Freezing point	:	No data available
Boiling point	:	No data available
Flash point	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Flammability (solid, gas)	:	No data available
Vapor pressure	:	No data available
Relative density	:	No data available
Density	:	1.04 g/cm³ (20°C)
Relative gas density	:	No data available
Solubility	:	No data available
Partition coefficient n-	:	No data available
octanol/water (Log Pow)		
Explosive limits (vol %)	:	No data available
Viscosity, kinematic	:	No data available
Particle characteristics	:	No data available

10. Stability and reactivity

Reactivity	:	No data available
Chemical stability	:	Stable under normal handling conditions.
Possibility of hazardous reactions	:	Reacts with strong bases and metals.
Conditions to avoid	:	Sunlight, heat. Contact with strong bases and metals.
Incompatible materials	:	Strong bases, Metals
Hazardous decomposition products	:	Chlorine compounds

11. Toxicological information

The information in this section is based on the "GHS Classification Results" by NITE.

As a product	
Acute toxicity (oral)	Category 4
Acute toxicity (dermal)	classification not possible
Acute toxicity (inhalation)	vapors:classification not possible
	Gases:Category 4
	dust, mist:Category 3
Skin corrosion/irritation	Category 1
Serious eye damage/irritation	Category 1
Respiratory sensitization	Category 1
Skin sensitization	No classification
Germ cell mutagenicity	classification not possible
Carcinogenicity	No classification
Reproductive toxicity	classification not possible
STOT-single exposure	Category 2
STOT-repeated exposure	Category 2
Aspiration hazard	classification not possible
Potassium hexachloroplatinate(IV)	
Acute toxicity (oral)	No data available
Acute toxicity (dermal)	No data available
Acute toxicity (gas)	No data available

Potassium hexachloroplatinate(IV)	
Acute toxicity (vapour)	No data available
Acute toxicity (inhalation:dust/mist)	No data available
Skin corrosion/irritation	No data available
Serious eye damage/irritation	No data available
Respiratory sensitization	No data available
Skin sensitization	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	No data available
Reproductive toxicity	No data available
STOT-single exposure	No data available
STOT-repeated exposure	No data available
Aspiration hazard	No data available
Cobalt(II) chloride	
Acute toxicity (oral)	Category 3
Acute toxicity (dermal)	classification not possible
Acute toxicity (gas)	No classification
Acute toxicity (gas)	No classification
Acute toxicity (vapour)	classification not possible
Skin corrosion/irritation	Category 2
Serious eye damage/irritation	Category 2
Respiratory sensitization	Category 1
Skin sensitization	Category 1
Germ cell mutagenicity	Category 2
Carcinogenicity	Category 2
Reproductive toxicity	Category 1B
STOT-single exposure	Category 1 Category 3 (Respiratory tract irritation.)
STOT-repeated exposure	Category 1 Category 2
Aspiration hazard	classification not possible
Hydrogen chloride	
Acute toxicity (oral)	Cotogon / 2
	Category 3
Acute toxicity (dermal)	No classification
* * *	No classification Category 3
Acute toxicity (dermal) Acute toxicity (gas) Acute toxicity (vapour)	No classification Category 3 classification not possible
Acute toxicity (dermal) Acute toxicity (gas) Acute toxicity (vapour) Acute toxicity (inhalation:dust/mist)	No classification Category 3 classification not possible Category 2
Acute toxicity (dermal) Acute toxicity (gas) Acute toxicity (vapour) Acute toxicity (inhalation:dust/mist) Skin corrosion/irritation	No classification Category 3 classification not possible Category 2 Category 1
Acute toxicity (dermal) Acute toxicity (gas) Acute toxicity (vapour) Acute toxicity (inhalation:dust/mist) Skin corrosion/irritation Serious eye damage/irritation	No classification Category 3 classification not possible Category 2 Category 1 Category 1
Acute toxicity (dermal) Acute toxicity (gas) Acute toxicity (vapour) Acute toxicity (inhalation:dust/mist) Skin corrosion/irritation Serious eye damage/irritation Respiratory sensitization	No classification Category 3 classification not possible Category 2 Category 1 Category 1 Category 1
Acute toxicity (dermal) Acute toxicity (gas) Acute toxicity (vapour) Acute toxicity (inhalation:dust/mist) Skin corrosion/irritation Serious eye damage/irritation Respiratory sensitization Skin sensitization	No classification Category 3 classification not possible Category 2 Category 1 Category 1 Category 1 No classification
Acute toxicity (dermal) Acute toxicity (gas) Acute toxicity (vapour) Acute toxicity (inhalation:dust/mist) Skin corrosion/irritation Serious eye damage/irritation Respiratory sensitization Skin sensitization Germ cell mutagenicity	No classification Category 3 classification not possible Category 2 Category 1
Acute toxicity (dermal) Acute toxicity (gas) Acute toxicity (vapour) Acute toxicity (inhalation:dust/mist) Skin corrosion/irritation Serious eye damage/irritation Respiratory sensitization Skin sensitization Germ cell mutagenicity Carcinogenicity	No classification Category 3 classification not possible Category 2 Category 1 Category 1 Category 1 Category 1 Category 1 Category 1 No classification classification not possible No classification No classification
Acute toxicity (dermal) Acute toxicity (gas) Acute toxicity (vapour) Acute toxicity (inhalation:dust/mist) Skin corrosion/irritation Serious eye damage/irritation Respiratory sensitization Skin sensitization Germ cell mutagenicity	No classification Category 3 classification not possible Category 2 Category 1
Acute toxicity (dermal)Acute toxicity (gas)Acute toxicity (vapour)Acute toxicity (inhalation:dust/mist)Skin corrosion/irritationSerious eye damage/irritationRespiratory sensitizationSkin sensitizationGerm cell mutagenicityCarcinogenicityReproductive toxicitySTOT-single exposure	No classification Category 3 classification not possible Category 2 Category 1 No classification classification not possible No classification classification classification Category 1
Acute toxicity (dermal) Acute toxicity (gas) Acute toxicity (vapour) Acute toxicity (inhalation:dust/mist) Skin corrosion/irritation Serious eye damage/irritation Respiratory sensitization Skin sensitization Germ cell mutagenicity Carcinogenicity Reproductive toxicity STOT-single exposure STOT-repeated exposure	No classification Category 3 classification not possible Category 2 Category 1 Category 1 Category 1 Category 1 No classification classification not possible No classification classification not possible No classification classification
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Acute toxicity (dermal) Acute toxicity (gas) Acute toxicity (vapour) Acute toxicity (inhalation:dust/mist) Skin corrosion/irritation Serious eye damage/irritation Respiratory sensitization Skin sensitization Germ cell mutagenicity Carcinogenicity Reproductive toxicity STOT-single exposure STOT-repeated exposure Aspiration hazard Water	No classification Category 3 classification not possible Category 2 Category 1 Category 1 Category 1 No classification classification not possible No classification
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Acute toxicity (dermal)Acute toxicity (gas)Acute toxicity (vapour)Acute toxicity (inhalation:dust/mist)Skin corrosion/irritationSerious eye damage/irritationRespiratory sensitizationSkin sensitizationGerm cell mutagenicityCarcinogenicityReproductive toxicitySTOT-single exposureSTOT-repeated exposureAspiration hazardWaterAcute toxicity (oral)Acute toxicity (dermal)	No classification Category 3 classification not possible Category 2 Category 1 No classification classification not possible No classification not possible Category 1 Category 1 Category 1 No classification No classification No classification No classification
Acute toxicity (dermal)Acute toxicity (gas)Acute toxicity (vapour)Acute toxicity (inhalation:dust/mist)Skin corrosion/irritationSerious eye damage/irritationRespiratory sensitizationSkin sensitizationGerm cell mutagenicityCarcinogenicityReproductive toxicitySTOT-single exposureSTOT-repeated exposureAspiration hazardWaterAcute toxicity (oral)Acute toxicity (gas)Acute toxicity (inhalation:dust/mist)	No classification Category 3 classification not possible Category 2 Category 1 No classification classification not possible No classification classification not possible Category 1 Category 1 Category 1 No classification
Acute toxicity (dermal)Acute toxicity (gas)Acute toxicity (vapour)Acute toxicity (inhalation:dust/mist)Skin corrosion/irritationSerious eye damage/irritationRespiratory sensitizationSkin sensitizationGerm cell mutagenicityCarcinogenicityReproductive toxicitySTOT-single exposureSTOT-repeated exposureAcute toxicity (oral)Acute toxicity (dermal)Acute toxicity (dermal)Acute toxicity (vapour)Acute toxicity (inhalation:dust/mist)Skin corrosion/irritation	No classification Category 3 classification not possible Category 2 Category 1 No classification classification not possible No classification classification not possible Category 1 Category 1 Category 1 No classification
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Water		
Germ cell mutagenicity	No classification	
Carcinogenicity	No classification	
Reproductive toxicity	No classification	
STOT-single exposure	No classification	
STOT-repeated exposure	No classification	
Aspiration hazard	No classification	

12. Ecological information

The information in this section is based on the "GHS Classification Results" by NITE.

	The one of outside the offers by HTE.
As a product	
Hazardous to the aquatic environment,	Category 2
short-term (acute)	
Hazardous to the aquatic environment,	classification not possible
long-term (chronic)	Ne dete evellete
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available classification not possible
Ozone	
Potassium hexachloroplatinate(IV)	
Hazardous to Aquatic Environment - Acute Hazard	No data available
Hazardous to Aquatic Environment - Chronic Hazard	No data available
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
Hazardous to the ozone layer	No data available
Cobalt(II) chloride	
Hazardous to Aquatic Environment - Acute Hazard	Category 1
Hazardous to Aquatic Environment - Chronic Hazard	Category 1
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
-	
Hazardous to the ozone layer	classification not possible
Hydrogen chloride	
Hazardous to Aquatic Environment - Acute Hazard	Category 1
Hazardous to Aquatic Environment - Chronic Hazard	No classification
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
Hazardous to the ozone layer	classification not possible
Water	
Hazardous to Aquatic Environment - Acute Hazard	No classification
Hazardous to Aquatic Environment - Chronic Hazard	No classification
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
Hazardous to the ozone layer	classification not possible
riazardous to the ozone layer	

13. Disposal considerations

Ecology - waste materials	:	With the detail information of the waste, subcontract its disposal to a waste disposer authorized by a Prefectural Governor.
Contaminated container and	:	Empty the packaging completely prior to disposal.
packaging		Empty containers should be taken for recycle, recovery or waste in accordance with local regulation.

14. Transport information

International Regulations

-	
Transport by sea(IMDG)	
UN-No. (IMDG)	: 1760
Proper Shipping Name (IMDG)	: CORROSIVE LIQUID, N.O.S.
Packing group (IMDG)	: 11
Transport hazard class(es) (IMDG)	: 8
Hazard labels (IMDG)	: 8
Class (IMDG)	: 8
Special provision (IMDG)	: 274
Packing instructions (IMDG)	: P001
IBC packing instructions (IMDG)	: IBC02
Tank instructions (IMDG)	: T11
Tank special provisions (IMDG)	: TP2, TP27
Stowage category (IMDG)	: B
Properties and observations (IMDG)	: Causes burns to skin, eyes and mucous membranes.
MFAG-No	: 154
Air transport(IATA)	
UN-No. (IATA)	: 1760
Proper Shipping Name (IATA)	: Corrosive liquid, n.o.s.
Packing group (IATA)	: 11
Transport hazard class(es) (IATA)	: 8
Hazard labels (IATA)	: 8
Class (IATA)	: 8
PCA Excepted quantities (IATA)	: E2
PCA Limited quantities (IATA)	: Y840
PCA limited quantity max net quantity (IATA)	: 0.5L
PCA packing instructions (IATA)	: 851
PCA max net quantity (IATA)	: 1L
CAO packing instructions (IATA)	: 855
CAO max net quantity (IATA)	: 30L
Special provision (IATA)	: A3, A803
ERG code (IATA)	: 8L
Marine pollutant	: Not applicable
Regulations in Japan	
Regulatory information by sea	: Conform to the provisions of the Ship Safety Law.
Regulatory information by air	: Conform to the provisions of the Civil Aeronautics Law.
MFAG-No	: 154
Special transport precautions	: When transporting, load containers so that they do not tip over,
	damage, drop or collapse. Make sure there is no leak in containers.
15. Regulatory information	
National law	
	Crown 2 Creatived Chemical Cultures (Ordinance or Dr. 1)
Industrial Safety and Health Law	: Group 3 Specified Chemical Substance, (Ordinance on Prevention of Hazards Due to Specified Chemical Substances Art.2 Para.1, Item 6)
	Harmful Substances Whose Names Are to be Indicated on the Label
	(Law Art.57, Para.1, Enforcement Order Art.18 Item 1, Item 2,
	Attached Table No.9)
	Notifiable Substances (Law Art 57-2 Enforcement Order Art 18-2

Notifiable Substances (Law Art.57-2, Enforcement Order Art.18-2 Item 1, Item 2, Attached Table No.9) Cobalt and its compounds (Ordinance number : 172)

Hydrogen chloride (Ordinance number : 98)

Corrosive Liquids (Ordinance on Industrial Safety and Health Law Art. 326)

Substances on dental health checkup (Act, Art.66, Para.3, Enforcement Order, Art.22 Item 3)

Japanese Poisonous and Deleterious Substances Control Law	:	Not applicable
Water Pollution Prevention Law	:	Designated Chemical Substances (Law Article 2, Paragraph 4, Enforcement Order Article 3-3)
Fire Service Law	:	Not applicable
Air Pollution Control Law	:	Hazardous substances (Article 2, Paragraph 1, Item 3 of the Law, Article 1 of the Enforcement Ordinance) Specified substances (Article 17, Paragraph 1 of the Law, Article 10 of the Enforcement Ordinance) Hazardous Air Pollutants (Central Environment Council Report No. 9)
Foreign Exchange and Foreign Trade Control Act	:	Export Trade Control Ordinance appendix 1-16
Ship Safety Act	:	Corrosive substances (Dangerous Goods Notification Schedule first second and third Article Dangerous Goods Regulations)
Civil Aeronautics Law	:	Corrosive substances (Hazardous materials notice Appended Table 1 Article 194 of the Enforcement Regulations)
Port Regulation Law	:	Corrosive substances (Article 21, Paragraph 2 of Law, Article 12 rule, notice attached table that defines the type of dangerous goods)
Waste Management on Public Cleansing Law	:	Specially Controlled Industrial Wastes (Act Art.2, para 5, Enfothment Order Art.2-4)
Japanese Pollutant Release and Transfer Register Law (PRTR Law)	:	Not applicable
Labor Standards Act	:	Chemical Substances Causing Occupational Illnesses (Act Art.75, Para.2, Ordinance Attached Table 1-2, Item 4-1, MHLW Nortification No.36 of 1978) Sensitizers (Act Art.75, Para.2, Ordinance Attached Table 1-2, Item 4, Labor Standard Bureau Notice No.182 of 1996)
16. Other information		
Data sources	:	Handbook of 17423 Chemical Products, The Chemical Daily Co, Ltd. International Chemical Safety Cards. National Institute of Technology and Evaluation (NITE). 2020 Emergency Response Guidebook (ERG 2020).
Other information	:	The SDS is copyrighted material of Hayashi Pure Chemical Ind, Ltd. This Safety Data Sheet is intended to be provided for business operators who handle chemical substance products of the relevant product and is not intended to assure safety in any way. The Safety Data Sheet does not verify all the information on the applicable chemical substance in the present time. With the recognition in that unknown danger constantly exists in the relevant chemical substance, the product shall be used in the principle of self-responsibility of the user with the highest priority to safety from transport and unpacking to disposal. When the relevant chemical substance is used, the user him/herself shall collect safety information and shall investigate laws and regulations at the place, organizations, countries, etc. where the substance is actually used and give the highest priority to them. The Company shall take no responsibility for investigating state and local regulations and the user shall handle this problem on his/her own responsibility. In the event that SDS in Japanese and SDS translated into other languages exist, the document described in Japanese is prior to all other documents whether or not there is any difference in

prior to all other documents whether or not there is any difference in contents, and documents in other languages shall be references.