
Safety Data Sheet**1. Chemical product and company identification****Product name** : PL2005 Pesticides GC/MS Mix I**SDS code** : Q4-04**Company/undertaking identification** :

HAYASHI PURE CHEMICAL IND.,LTD.

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URL : <https://www.hpc-j.co.jp/>**Emergency number** : 06-6910-7305**2. Hazards identification****GHS classification**

Physical hazards	Desensitized explosives	classification not possible	
	Explosives	classification not possible	
	Flammable gases	No classification	
	Aerosol	classification not possible	
	Oxidizing gases	No classification	
	Gases under pressure	No classification	
	Flammable liquids	Category 2	
	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	classification not possible	
	Health hazards	Acute toxicity (oral)	classification not possible
		Acute toxicity (dermal)	classification not possible
		Acute toxicity (inhalation:gas)	classification not possible
Acute toxicity (inhalation:vapors)		classification not possible	
Acute toxicity (inhalation:dust/mist)		classification not possible	
Skin corrosion/irritation		classification not possible	
Serious eye damage/eye irritation		Category 2B	
Respiratory sensitization		classification not possible	
Skin sensitization		classification not possible	
Germ cell mutagenicity		classification not possible	
Carcinogenicity	classification not possible		
Reproductive toxicity	Category 2		
Specific target organ toxicity (single exposure)	Category 3 (Respiratory tract irritation.)		
Specific target organ toxicity (single exposure)	Category 3 (Narcosis)		

Environmental hazards	Specific target organ toxicity (repeated exposure)	Category 1 (respiratory system, central nervous system, digestive tract)
	Aspiration hazard	classification not possible
	Hazardous to the aquatic environment, short-term (acute)	Category 1
	Hazardous to the aquatic environment, long-term (chronic)	Category 2
	Hazardous to the ozone layer	classification not possible

Hazard pictograms (GHS JP)



GHS02



GHS07



GHS08



GHS09

Signal word (GHS JP)

: Danger

Hazard statements (GHS JP)

: Highly flammable liquid and vapor (H225)
 Causes eye irritation (H320)
 May cause respiratory irritation (H335)
 May cause drowsiness or dizziness (H336)
 Suspected of damaging fertility or the unborn child (H361)
 Causes damage to organs (respiratory system, central nervous system, digestive tract) through prolonged or repeated exposure (H372)
 Very toxic to aquatic life (H400)
 Toxic to aquatic life with long lasting effects (H411)

Precautionary statements (GHS JP)

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)
 Ground and bond container and receiving equipment. (P240)
 Use explosion-proof electrical/ventilating/lighting equipment. (P241)
 Use only non-sparking tools. (P242)
 Take action to prevent static discharges. (P243)
 Do not breathe dust/fume/gas/mist/vapors/spray. (P260)
 Wash hands, forearms and face 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)
 Avoid release to the environment. (P273)
 Wear protective gloves/protective clothing/eye protection/face protection. (P280)

Response

: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. (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: Get medical advice/attention. (P308+P313)
 Get medical advice/attention if you feel unwell. (P314)
 If eye irritation persists: Get medical advice/attention. (P337+P313)
 In case of fire: Use specify appropriate media to extinguish. (P370+P378)
 Collect spillage. (P391)

Storage

: Store in a well-ventilated place. Keep container tightly closed. (P403+P233)
 Store in a well-ventilated place. Keep cool. (P403+P235)
 Store locked up. (P405)

Disposal

: Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. (P501)

3. Composition/information on ingredients

Distinction of substance or mixture : Mixture

Name	Concentration or Concentration range	Formula	Kanpo number		CAS RN
			CSCL no	ISHL no	
Acetone	≥98%	(CH ₃) ₂ CO	(2)-542	Existing Chemical Substance	67-64-1
Anilofos	20µg/mL	C13H19ClNO ₃ PS ₂	-	4-(9)-296	64249-01-0
Azinphos methyl	20µg/mL	C10H12N ₃ O ₃ PS ₂	-	-	86-50-0
Butamifos	20µg/mL	C13H ₂₁ N ₂ O ₄ PS	-	-	36335-67-8
Cadusafos	20µg/mL	C10H ₂₃ O ₂ PS ₂	-	2-(7)-313	95465-99-9
Chlorpyrifos	20µg/mL	C ₉ H ₁₁ Cl ₃ NO ₃ PS	(5)-3724	8-(1)-1042	2921-88-2
Chlorpyrifos methyl	20µg/mL	C ₇ H ₇ Cl ₃ NO ₃ PS	-	8-(1)-1043	5598-13-0
Cyanophos (CYAP)	20µg/mL	C ₉ H ₁₀ NO ₃ PS	(3)-2625	Existing Chemical Substance	2636-26-2
Diazinon	20µg/mL	C ₁₂ H ₂₁ N ₂ O ₃ PS	(5)-923	Existing Chemical Substance	333-41-5
Dichlofenthion (ECP)	20µg/mL	C ₁₀ H ₁₃ Cl ₂ O ₃ PS	(3)-4112	4-(9)-190	97-17-6
Dichlorvos (DDVP)	20µg/mL	C ₄ H ₇ Cl ₂ O ₄ P	(2)-3224	2-(7)-181	62-73-7
Dimethoate	20µg/mL	C ₅ H ₁₂ NO ₃ PS ₂	(2)-1962	Existing Chemical Substance	60-51-5
Dimethylvinphos (E type)	20µg/mL	C ₁₀ H ₁₀ Cl ₃ O ₄ P	-	4-(9)-145	71363-52-5
Dimethylvinphos (Z type)	20µg/mL	C ₁₀ H ₁₀ Cl ₃ O ₄ P	-	4-(9)-145	67628-93-7
Edifenphos (EDDP)	20µg/mL	C ₁₄ H ₁₅ O ₂ PS ₂	-	4-(9)-91	17109-49-8
EPN	20µg/mL	C ₁₄ H ₁₄ NO ₄ PS	(3)-2617	4-(2)-17,4-(3)-17	2104-64-5
Ethion	20µg/mL	C ₉ H ₂₂ O ₄ P ₂ S ₄	-	2-(7)-259	563-12-2
Ethoprophos	20µg/mL	C ₈ H ₁₉ O ₂ PS ₂	-	-	13194-48-4
Etrimfos	20µg/mL	C ₁₀ H ₁₇ N ₂ O ₄ PS	-	8-(2)-1064	38260-54-7
Fenamiphos	20µg/mL	C ₁₃ H ₂₂ NO ₃ PS	(3)-4292	4-(9)-288	22224-92-6
Fenitrothion	20µg/mL	C ₉ H ₁₂ NO ₅ PS	(3)-2616	4-(9)-232	122-14-5
Fensulfothion	20µg/mL	C ₁₁ H ₁₇ O ₄ PS ₂	-	-	115-90-2
Fenthion (MPP)	20µg/mL	C ₁₀ H ₁₅ O ₃ PS ₂	-	4-(9)-130	55-38-9
Fonofos	20µg/mL	C ₁₀ H ₁₅ O ₃ PS ₂	-	-	944-22-9
Fosthiazate	20µg/mL	C ₉ H ₁₈ NO ₃ PS ₂	-	8-(7)-864	98886-44-3
Isazophos	20µg/mL	C ₉ H ₁₇ Cl ₃ NO ₃ PS	-	-	42509-80-8
Isofenphos	20µg/mL	C ₁₅ H ₂₄ NO ₄ PS	(3)-3683	4-(9)-258	25311-71-1
Malathion	20µg/mL	C ₁₀ H ₁₉ O ₆ PS ₂	(2)-1963	Existing Chemical Substance	121-75-5
Methacrifos	20µg/mL	C ₇ H ₁₃ O ₅ PS	-	-	62610-77-9
Methidathion (DMTP)	20µg/mL	C ₆ H ₁₁ N ₂ O ₄ PS ₃	-	8-(7)-172	950-37-8
Mevinphos	20µg/mL	C ₇ H ₁₃ O ₆ P	-	-	7786-34-7
Parathion	20µg/mL	C ₁₀ H ₁₄ NO ₅ PS	-	4-(9)-244	56-38-2
Parathion methyl	20µg/mL	C ₈ H ₁₀ NO ₅ PS	-	4-(4)-128,4-(9)-124	298-00-0
Phenthoate (PAP)	20µg/mL	C ₁₂ H ₁₇ O ₄ PS ₂	(3)-2615	Existing Chemical Substance	2597-03-7

Phorate	20µg/mL	C7H17O2PS3	-	-	298-02-2
Phosalone	20µg/mL	C12H15ClNO4PS2	-	8-(7)-170,8-(7)-490	2310-17-0
Phosphamidon	20µg/mL	C10H19ClNO5P	-	2-(7)-182,2-(7)-183	13171-21-6
Piperophos	20µg/mL	C14H28NO3PS2	-	-	24151-93-7
Pirimiphos methyl	20µg/mL	C11H20N3O3PS	-	-	29232-93-7
Profenofos	20µg/mL	C11H15BrClO3PS	-	4-(9)-254	41198-08-7
Propaphos	20µg/mL	C13H21O4PS	-	-	7292-16-2
Prothiofos	20µg/mL	C11H15Cl2O2PS2	-	4-(9)-94	34643-46-4
Pyraclufos	20µg/mL	C14H18ClN2O3PS	-	-	77458-01-6
Pyridaphenthion	20µg/mL	C14H17N2O4PS	(5)-5598	-	119-12-0
Quinalphos	20µg/mL	C12H15N2O3PS	-	8-(2)-1065	13593-03-8
Terbufos	20µg/mL	C9H21O2PS3	-	-	13071-79-9
Tetrachlorvinphos	20µg/mL	C10H9Cl4O4P	(3)-3366	4-(9)-146	22248-79-9
Tolclofos methyl	20µg/mL	C9H11Cl2O3PS	-	4-(9)-127	57018-04-9
Triazophos	20µg/mL	C12H16N3O3PS	-	-	24017-47-8
α-Chlorfenvinphos (E type)	20µg/mL	C12H14Cl3O4P	-	-	18708-86-6
β-Chlorfenvinphos (Z type)	20µg/mL	C12H14Cl3O4P	-	-	18708-87-7
Dioxabenzofos (Salithion)	20µg/mL	C8H9O3PS	(5)-3864	8-(9)-24	3811-49-2

The above concentration or concentration range are not product specification.

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

4. First aid measures

First aid measures

- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
Get immediate medical advice/attention.
- First-aid measures after skin contact : Remove/Take off immediately all contaminated clothing.
Gently wash with plenty of soap and water.
Get immediate medical advice/attention.
- First-aid measures after eye contact : 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.
- First-aid measures after ingestion : Do NOT induce vomiting.
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 : Extremely flammable liquid and vapor.
- Explosion hazard : Danger of the steam explosion in indoor, outdoor, sewer.
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.
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

Personal Precautions, Protective Equipment and Emergency Procedures

General measures : 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.

Environmental precautions

Environmental precautions : Avoid release to the environment.
Prevent entry to sewers and public waters.

Methods and Equipment for Containment and Cleaning up

Methods for 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.

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.
Take precautionary measures against static discharge.
Use explosion-proof equipment.

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.

Material used in packaging/containers : Light shielding airtight container.

Technical measures : Comply with applicable regulations.

Storage temperature : Freeze: -20°C

8. Exposure controls / Personal protection equipment

Acetone	
Japan administration level	500ppm
Exposure limits (JSOH)	200ppm(470mg/m3)
Exposure limits (ACGIH)	TWA 250 ppm,STEL 500 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 organic 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, Protective long boots

9. Physical and chemical properties

Physical state	: Liquid
Appearance	: Liquid
Color	: No data available
Odor	: No data available
pH	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: 57 °C (as acetone)
Flash point	: -20 °C (as acetone, tag closed cup)
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
Specific gravity / density	: 0.8 g/cm ³ (as acetone, 20°C)
Relative gas density	: No data available
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
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 oxidants, reductants, and bases. When contacting with strong oxidants like acetic acid, nitric acid, and hydrogen peroxide, explosive peroxides can be generated. In the basic condition, reacting with chloroform and bromoform, the risk of fire and explosion can be caused. Corrodes the plastics.
Conditions to avoid	: Sunlight, heat. Ignition sources such as spark, flame, and static charge. Contact with oxidants, reductants, bases, and chloroform and bromoform in the basic condition.
Incompatible materials	: Oxidants, Reductants, Bases, Chloroform and bromoform in the basic condition
Hazardous decomposition products	: No data available

11. Toxicological information

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

As a product	
Acute toxicity (oral)	classification not possible
Acute toxicity (dermal)	classification not possible
Acute toxicity (inhalation)	vapors:classification not possible Gases:classification not possible dust, mist:classification not possible
Skin corrosion/irritation	classification not possible
Serious eye damage/irritation	Category 2B
Respiratory sensitization	classification not possible
Skin sensitization	classification not possible
Germ cell mutagenicity	classification not possible
Carcinogenicity	classification not possible
Reproductive toxicity	Category 2
STOT-single exposure	Category 3 (Respiratory tract irritation.) Category 3 (Narcosis)
STOT-repeated exposure	Category 1

As a product	
Aspiration hazard	classification not possible
Acetone	
Acute toxicity (oral)	No classification
Acute toxicity (dermal)	No classification
Acute toxicity (gas)	No classification
Acute toxicity (vapour)	No classification
Acute toxicity (inhalation:dust/mist)	classification not possible
Skin corrosion/irritation	No classification
Serious eye damage/irritation	Category 2B
Respiratory sensitization	classification not possible
Skin sensitization	No classification
Germ cell mutagenicity	classification not possible
Carcinogenicity	classification not possible
Reproductive toxicity	Category 2
STOT-single exposure	Category 3 (Narcosis) Category 3 (Respiratory tract irritation.)
STOT-repeated exposure	Category 1
Aspiration hazard	classification not possible

12. Ecological information

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

As a product	
Hazardous to the aquatic environment, short-term (acute)	Category 1
Hazardous to the aquatic environment, long-term (chronic)	Category 2
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
Ozone	classification not possible
Acetone	
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	No data available

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 packaging : Empty the packaging completely prior to disposal.
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) : 1993
- Proper Shipping Name (IMDG) : FLAMMABLE LIQUID, N.O.S.
- Packing group (IMDG) : II
- Transport hazard class(es) (IMDG) : 3
- Hazard labels (IMDG) : 3
- Class (IMDG) : 3
- Special provision (IMDG) : 274

Limited quantities (IMDG) : 1 L
 Excepted quantities (IMDG) : E2
 Packing instructions (IMDG) : P001
 IBC packing instructions (IMDG) : IBC02
 Tank instructions (IMDG) : T7
 Tank special provisions (IMDG) : TP1, TP28, TP8
 Stowage category (IMDG) : B
 MFAG-No : 127

Air transport(IATA)

UN-No. (IATA) : 1993
 Proper Shipping Name (IATA) : Flammable liquid, n.o.s.
 Packing group (IATA) : II
 Transport hazard class(es) (IATA) : 3
 Hazard labels (IATA) : 3
 Class (IATA) : 3
 PCA Excepted quantities (IATA) : E2
 PCA Limited quantities (IATA) : Y341
 PCA limited quantity max net quantity (IATA) : 1L
 PCA packing instructions (IATA) : 353
 PCA max net quantity (IATA) : 5L
 CAO packing instructions (IATA) : 364
 CAO max net quantity (IATA) : 60L
 Special provision (IATA) : A3
 ERG code (IATA) : 3H

Marine pollutant : 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 : 127

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**

Chemical Substances Control Law : Priority Assessment Chemical Substances (Law Article 2, Para.5)
 Industrial Safety and Health Law : Class 2 Organic Solvents etc. (Enforcement Order, Art., Appended Table 6-2, Ordinance on Prevention of Organic Solvent Poisoning, Art.1, Para.1, Item 4)
 Working Environment Evaluation Standards, Administrative Control Levels (Law Art.65-2, Para.1)
 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)
 Dangerous Substances - Flammable Substance (Enforcement Order Attached Table 1 Item 4)
 Notifiable Substances (Law Art.57-2, Enforcement Order Art.18-2 Item 1, Item 2, Attached Table No.9)
 Acetone (Ordinance number : 17)
 Substances on Special medical examination, Current handling workers (Act, Art.66, Para.2, Enforcement Order, Art.22 Item 1)

Japanese Poisonous and Deleterious Substances Control Law	: Specified Poisonous Substances (Law Art.2, Attached Table 3, Designating Order Art.3) Preparations containing diethylparanitrophenylthiophosphate Preparations containing dimethyl-(diethylamido-1-chlorocrotonyl)-phosphate Preparations containing dimethylparanitrophenyl thiophosphate Poisonous Substances (Designated Order, Art.1) Preparations containing diethylparanitrophenylthiophosphate Preparations containing dimethyl-(diethylamido-1-chlorocrotonyl)-phosphate Preparations containing dimethylparanitrophenyl thiophosphate Deleterious Substances (Designated Order Art.2) Diethyl-1-(2',4'-dichlorophenyl)-2-chlorovinylphosphate and preparations containing it Preparations containing 5% or less of O-ethyl-O-(2-isopropoxycarbonylphenyl)-N-isopropylthiophosphoramidate (Isofenphos) Preparations containing 5% or less of O-ethyl S,S-dipropyl phosphorodithioate Preparations containing 10% or less of S,S-bis(1-methylpropyl) O-ethyl phosphorodithioate(Cadusafos). (except for sustained release preparations which contain 3% or less of S,S-bis(1-methylpropyl) O-ethyl phosphorodithioate) O,O'-Diethyl O''-(2-quinoxaliny) thiophosphate(Quinalphos) and preparations containing it 2-Methoxy-1,3,2-benzodioxaphosphorine-2-sulfide and preparations containing it 2-Chloro-1-(2,4-dichlorophenyl)vinyl dimethyl phosphate and preparations containing it Preparations containing O,O-dimethyl-N-methylcarbamyldimethyl dithiophosphate(Dimethoate) Preparations containing tetraethylmethylenebisdithiophosphate Preparations containing 1.5% or less of ethylparanitrophenylthionobenzene-phosphonate(EPN) Preparations containing 3% or less of diethyl-4-methylsulfinylphenylthiophosphate Dipropyl-4-methylthiophenylphosphate and preparations containing it 3-Dimethyldithiophosphoryl-S-methyl-5-methoxy-1,3,4-thiadiazorin-2-one and preparations containing it Preparations containing dimethyl-2,2-dichlorovinyl-phosphate(DDVP)
Water Pollution Prevention Law	: Hazardous Substances (Act, Art.2, Enforcement Order Art.2, Ministerial Ordinance to Provide for Effluent Standards, Art.1) Designated Chemical Substances (Law Article 2, Paragraph 4, Enforcement Order Article 3-3)
Narcotics and Psychotropics Control Act	: Raw Materials(Law Art.2 (7) , Attached Table Art.4)
Fire Service Law	: Group 4 - Flammable liquids - 1st Class petroleums - soluble (Law Art.2 Para.7, Attached Table 1, Group 4)
Air Pollution Control Law	: Hazardous Air Pollutants (Central Environment Council Report No. 9) Volatile Organic Compounds (Law Art.2 Para.4) (MOE Official Notice to Prefectures)
Foreign Exchange and Foreign Trade Control Act	: Export Trade Control Ordinance appendix 1-16 Export Approval (Export Trade Control Order, Attached Table 2)
Ship Safety Act	: Flammable liquids (Dangerous Goods Notification Schedule first second and third Article Dangerous Goods Regulations)
Civil Aeronautics Law	: Flammable liquids (Hazardous materials notice Appended Table 1 Article 194 of the Enforcement Regulations)
Port Regulation Law	: Flammable liquids (Article 21, Paragraph 2 of Law, Article 12 rule, notice attached table that defines the type of dangerous goods)
Road Act	: Restriction for Vehicle Traffic (Enforcement Order Art.19-13, Publication of Japan Highway Public Corp.)
Waste Management on Public Cleansing Law	: Specially Controlled Industrial Wastes (Act Art.2, para 5, Enforcement Order Art.2-4)
Sewerage Law	: Substances for Water Quality Standard (Act Art.12-2 Para.2, Enforcement Order Art.9-4)
Japanese Pollutant Release and Transfer Register Law (PRTR Law)	: Not applicable

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- 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
- Soil Contamination Countermeasures Law : Designated Hazardous Substances (Act Art.2 Para.3, Enforcement Order Art.1)

16. Other information

- Data sources : Handbook of 17120 Chemical Products, The Chemical Daily Co, Ltd. International Chemical Safety Cards. National Institute of Technology and Evaluation (NITE). 2016 Emergency Response Guidebook (ERG 2016).
- 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 contents, and documents in other languages shall be references.