

Hayashi Pure Chemical Ind.,Ltd. Revision date: 8/24/2023

Date of issue: 11/6/2012

SDS code: F9-10

Version: 05

Safety Data Sheet

1. Chemical product and company identification

•		
Product name	:	Artificial finger fat solution
SDS code	:	F9-10
Company/undertaking identification HAYASHI PURE CHEMICAL Address : 3-2-12 Uchihirano Telephone : 06-6910-7305 E-mail : shiyaku_kikaku@hp URL : https://www.hpc-j.co.j	oma oc-j	chi, Chuo-ku, Osaka, Osaka, Japan
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	classification not possible
	Desensitized explosives	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	classification not possible
	Respiratory sensitization	classification not possible
	Skin sensitization	classification not possible
	Germ cell mutagenicity	classification not possible
	Carcinogenicity	Category 1A
	Reproductive toxicity	Category 1A
	Specific target organ toxicity (single exposure)	classification not possible

Hayashi Pure Che	mical Ind.,Ltd.			Revision date: 8/24/2023	Artificial finger SDS code: F9-10	fat solution Version: 05
	Specific target organ toxicity (repeated exposure)			Category 2 (liver)		
	Aspiration ha	zarc	I	classification not pos	sible	
Environmental hazards	Hazardous to the aquatic environment, short-term (acute)			classification not pos	sible	
	Hazardous to environment,		aquatic g-term (chronic)	classification not pos	sible	
	Hazardous to	the	ozone layer	classification not pos	sible	
Hazard pictograms (GHS JP)	GHS08					
Signal word (GHS JF	o)	:	Danger			
Hazard statements (GHS JP)	:		ertility or the unborn child nage to organs (liver) thro		epeated
Precautionary statem	nents (GHS JP)					
Prevention		:	Do not handle ((P202) Do not breathe	instructions before use. (I until all safety precautions dust/fume/gas/mist/vapo gloves/protective clothir	s have been read a rs/spray. (P260)	
Response		:		concerned: Get medical a vice/attention if you feel u		808+P313)
Storage		:	Store locked up	o. (P405)		
Disposal		:		tents/container to hazard ance with local, regional,)1)		

3. Composition/information on ingredients

Distinction of substance or mixture : Mixture

	Concentration or		Kanpo		
Name	Concentration range	Formula	CSCL no	ISHL no	CAS RN
Urea	About 0.1%	CO(NH2)2	(2)-1732	Existing Chemical Substance	57-13-6
Lactic acid	About 0.34%	C3H6O3	(2)-1369	Existing Chemical Substance	50-21-5
Sodium chloride	About 0.69%	NaCl	(1)-236	7-(3)-1053	7647-14-5
Ethanol	About 2.0%	С2Н5ОН	(2)-202	Existing Chemical Substance	64-17-5
Acetic acid	About 0.5%	СНЗСООН	(2)-688	Existing Chemical Substance	64-19-7
Sodium diphosphate decahydrate	About 0.79%	Na4P2O7 · 10H2O	(1)-497	Existing Chemical Substance	13472-36-1
Water	About 95.58%	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		
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	:	Remove/Take off immediately all contaminated clothing.
contact		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	:	Rinse mouth.
		Get immediate medical advice/attention.
5. Fire fighting measures		
Suitable extinguishing media	:	Use proper extinguishing media depending on peripheral fire.

U		
Unsuitable extinguishing media	:	Do not use a heavy water stream.
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.
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 Cont	ainment 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	
The short shall be a second sh	Month with a second state second state at a second second to second the second state at the second stat

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.
Material used in packaging/containers	:	Airtight container.
Technical measures Storage temperature	:	Comply with applicable regulations. Cool and dark place

8. Exposure controls / Personal protection equipment

Exposure limit values			
Ethanol			
Exposure limits (ACGIH)	TWA -,STEL 1000 ppm		
Acetic acid			
Exposure limits (JSOH)	10ppm(25mg/m3)		
Exposure limits (ACGIH)	TWA 10 ppm,STEL 15 ppm		
Appropriate engineering controls	Is : 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		
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

Γ.	• • • • • • • • • • • • • • • • • • • •
:	Liquid
:	Liquid
:	colorless transparent
:	Acetic acid odor
:	3.9 (25°C)
:	No data available
:	1.01 g/cm³ (20℃)
:	No data available

10. Stability and reactivity

Reactivity	:	No data available
Chemical stability	:	Stable under normal handling conditions.
Possibility of hazardous reactions	:	No data available
Conditions to avoid	:	Sunlight, Heat
Incompatible materials	:	No data available

Hazardous decomposition : No data available products

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	classification not possible
Respiratory sensitization Skin sensitization	classification not possible classification not possible
Germ cell mutagenicity	classification not possible
Carcinogenicity	Category 1A
Reproductive toxicity	Category 1A
STOT-single exposure	classification not possible
STOT-repeated exposure	Category 2
Aspiration hazard	classification not possible
Urea	
Acute toxicity (oral)	classification not possible
Acute toxicity (dermal)	classification not possible
Acute toxicity (gas)	classification not possible
Acute toxicity (vapour)	No classification
Acute toxicity (inhalation:dust/mist)	classification not possible
Skin corrosion/irritation	classification not possible
Serious eye damage/irritation	classification not possible
Respiratory sensitization	classification not possible
Skin sensitization	classification not possible
Germ cell mutagenicity	classification not possible
Carcinogenicity	classification not possible
Reproductive toxicity	classification not possible
STOT-single exposure	classification not possible
STOT-repeated exposure	classification not possible
Aspiration hazard	classification not possible
Lactic acid	
Acute toxicity (oral)	No classification
Acute toxicity (dermal)	classification not possible
Acute toxicity (gas)	No classification
Acute toxicity (vapour)	classification not possible
Acute toxicity (vapour)	classification not possible
Skin corrosion/irritation	Category 1
Serious eye damage/irritation	Category 1
Respiratory sensitization	classification not possible
Skin sensitization	No classification
Germ cell mutagenicity	classification not possible
Carcinogenicity	classification not possible
Reproductive toxicity	classification not possible
STOT-single exposure	classification not possible
STOT-repeated exposure	classification not possible
Aspiration hazard	classification not possible
Sodium chloride	
Acute toxicity (oral)	classification not possible
Acute toxicity (dermal)	classification not possible
Acute toxicity (dermal)	classification not possible
Acute toxicity (gas) Acute toxicity (vapour)	No classification
	110 010331110411011

Sodium chloride					
Acute toxicity (inhalation:dust/mist)	classification not possible				
Skin corrosion/irritation	classification not possible				
Serious eye damage/irritation	classification not possible				
Respiratory sensitization	classification not possible				
Skin sensitization	classification not possible				
Germ cell mutagenicity	classification not possible				
Carcinogenicity	classification not possible				
Reproductive toxicity	classification not possible				
STOT-single exposure	classification not possible				
STOT-repeated exposure	classification not possible				
Aspiration hazard	classification not possible				
-					
Ethanol	No slossification				
Acute toxicity (oral)	No classification				
Acute toxicity (dermal)	No classification				
Acute toxicity (gas) Acute toxicity (vapour)	No classification				
Acute toxicity (inhalation:dust/mist) Skin corrosion/irritation	classification not possible No classification				
Serious eye damage/irritation Respiratory sensitization	Category 2B classification not possible				
Skin sensitization	classification not possible				
	classification not possible				
Germ cell mutagenicity Carcinogenicity	Category 1A				
Reproductive toxicity	Category 1A				
STOT-single exposure	Category 3 (Narcosis) Category 3 (Respiratory tract irritation.)				
STOT-repeated exposure	Category 1 Category 2				
Aspiration hazard	classification not possible				
Acetic acid					
Acute toxicity (oral)	No classification				
Acute toxicity (oral) Acute toxicity (dermal)	Category 4				
Acute toxicity (oral) Acute toxicity (dermal) Acute toxicity (gas)	Category 4 No classification				
Acute toxicity (oral) Acute toxicity (dermal) Acute toxicity (gas) Acute toxicity (vapour)	Category 4 No classification classification not possible				
Acute toxicity (oral) Acute toxicity (dermal) Acute toxicity (gas) Acute toxicity (vapour) Acute toxicity (inhalation:dust/mist)	Category 4 No classification classification not possible classification not possible				
Acute toxicity (oral) Acute toxicity (dermal) Acute toxicity (gas) Acute toxicity (vapour) Acute toxicity (inhalation:dust/mist) Skin corrosion/irritation	Category 4 No classification classification not possible classification not possible Category 1				
Acute toxicity (oral) Acute toxicity (dermal) Acute toxicity (gas) Acute toxicity (vapour) Acute toxicity (inhalation:dust/mist) Skin corrosion/irritation Serious eye damage/irritation	Category 4 No classification classification not possible classification not possible Category 1 Category 1				
Acute toxicity (oral) Acute toxicity (dermal) Acute toxicity (gas) Acute toxicity (vapour) Acute toxicity (inhalation:dust/mist) Skin corrosion/irritation Serious eye damage/irritation Respiratory sensitization	Category 4 No classification classification not possible classification not possible Category 1 Category 1 classification not possible				
Acute toxicity (oral)Acute toxicity (dermal)Acute toxicity (gas)Acute toxicity (vapour)Acute toxicity (inhalation:dust/mist)Skin corrosion/irritationSerious eye damage/irritationRespiratory sensitizationSkin sensitization	Category 4 No classification classification not possible classification not possible Category 1 Category 1 classification not possible classification not possible				
Acute toxicity (oral) 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	Category 4 No classification classification not possible classification not possible Category 1 Category 1 classification not possible classification not possible classification not possible				
Acute toxicity (oral)Acute toxicity (dermal)Acute toxicity (gas)Acute toxicity (vapour)Acute toxicity (inhalation:dust/mist)Skin corrosion/irritationSerious eye damage/irritationRespiratory sensitizationSkin sensitizationGerm cell mutagenicityCarcinogenicity	Category 4 No classification classification not possible classification not possible Category 1 Category 1 classification not possible				
Acute toxicity (oral) 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	Category 4 No classification classification not possible classification not possible Category 1 Category 1 classification not possible				
Acute toxicity (oral)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	Category 4 No classification classification not possible classification not possible Category 1 Category 1 classification not possible classification not possible				
Acute toxicity (oral)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 exposure	Category 4No classificationclassification not possibleclassification not possibleCategory 1Category 1classification not possibleclassification not possible				
Acute toxicity (oral) 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	Category 4 No classification classification not possible classification not possible Category 1 Category 1 classification not possible classification not possible				
Acute toxicity (oral)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 hazardSodium diphosphate decahydrate	Category 4 No classification classification not possible classification not possible Category 1 Category 1 classification not possible classification not possible				
Acute toxicity (oral)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 hazardSodium diphosphate decahydrateAcute toxicity (oral)	Category 4 No classification classification not possible classification not possible Category 1 Category 1 classification not possible value				
Acute toxicity (oral) 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 Sodium diphosphate decahydrate Acute toxicity (oral) Acute toxicity (dermal)	Category 4 No classification classification not possible classification not possible Category 1 Category 1 classification not possible value No data available No data available				
Acute toxicity (oral)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 hazardSodium diphosphate decahydrateAcute toxicity (oral)Acute toxicity (gas)	Category 4 No classification classification not possible classification not possible Category 1 Category 1 classification not possible value No data available No data available No data available No data available				
Acute toxicity (oral)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 (gas)Acute toxicity (vapour)	Category 4 No classification classification not possible classification not possible Category 1 Category 1 classification not possible value No data available				
Acute toxicity (oral)Acute toxicity (dermal)Acute toxicity (gas)Acute toxicity (vapour)Acute toxicity (inhalation:dust/mist)Skin corrosion/irritationSerious eye damage/irritationRespiratory sensitizationGerm cell mutagenicityCarcinogenicityReproductive toxicitySTOT-single exposureSTOT-repeated exposureAspiration hazardSodium diphosphate decahydrateAcute toxicity (oral)Acute toxicity (gas)Acute toxicity (inhalation:dust/mist)	Category 4 No classification classification not possible classification not possible Category 1 Category 1 classification not possible value No data available				
Acute toxicity (oral)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 hazardSodium diphosphate decahydrateAcute toxicity (oral)Acute toxicity (gas)Acute toxicity (inhalation:dust/mist)Skin corrosion/irritation	Category 4 No classification classification not possible classification not possible Category 1 Category 1 classification not possible vo data available No data available				
Acute toxicity (oral)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 (gas)Acute toxicity (inhalation:dust/mist)Skin corrosion/irritationSerious eye damage/irritation	Category 4 No classification classification not possible classification not possible Category 1 Category 1 classification not possible value No data available				
Acute toxicity (oral)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 (gas)Acute toxicity (vapour)Acute toxicity (inhalation:dust/mist)Skin corrosion/irritationSerious eye damage/irritationRespiratory sensitization	Category 4 No classification classification not possible classification not possible Category 1 Category 1 classification not possible value No data available No data				
Acute toxicity (oral)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 (gas)Acute toxicity (inhalation:dust/mist)Skin corrosion/irritationSerious eye damage/irritation	Category 4 No classification classification not possible classification not possible Category 1 Category 1 classification not possible value No data available				

Sodium diphosphate decahydrate			
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		
Water			
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)	No classification		
Skin corrosion/irritation	No classification		
Serious eye damage/irritation	No classification		
Respiratory sensitization	No classification		
Skin sensitization	No classification		
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.

As a product			
Hazardous to the aquatic environment, short-term (acute)	classification not possible		
Hazardous to the aquatic environment,	classification not possible		
long-term (chronic)			
Persistence and degradability	No data available		
Bioaccumulative potential	No data available		
Mobility in soil	No data available		
Ozone	classification not possible		
Urea			
Hazardous to Aquatic Environment - Acute Hazard	classification not possible		
Hazardous to Aquatic Environment - Chronic Hazard	classification not possible		
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		
Lactic acid			
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		
Sodium chloride			
Hazardous to Aquatic Environment - Acute Hazard	classification not possible		
Hazardous to Aquatic Environment - Chronic Hazard	classification not possible		

Sodium chloride	
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
Ethanol	
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
Acetic acid	
Hazardous to Aquatic Environment - Acute Hazard	Category 3
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
Sodium diphosphate decahydrate	
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
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

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):Not applicableProper Shipping Name (IMDG):Not applicablePacking group (IMDG):Not applicableTransport hazard class(es) (IMDG):Not applicable

8/9

Revision date: 8/24/2023

Air transport(IATA)	
UN-No. (IATA) Proper Shipping Name (IATA) Packing group (IATA) Transport hazard class(es) (IATA)	 Not applicable Not applicable Not applicable Not applicable Not applicable
Marine pollutant	: Not applicable
Regulations in Japan	
Regulatory information by sea Regulatory information by air Special transport precautions	 Not applicable Not applicable 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		
Industrial Safety and Health Law	:	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 Item 1, Item 2, Attached Table No.9) Ethanol (Ordinance number : 61)
Japanese Poisonous and Deleterious Substances Control Law	:	Not applicable
Fire Service Law	:	Not applicable
Air Pollution Control Law	:	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
Japanese Pollutant Release and Transfer Register Law (PRTR Law)	:	Not applicable

16. Other information

Data sources

Other information

 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).

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.