

Hayashi Pure Chemical Ind.,Ltd.

Date of issue: 7/4/2019

7/4/2019 Revision date: 1/11/2023

SDS code: U7-07

Version: 03

Safety Data Sheet

1. Chemical product and company identification

Product name SDS code	:	Turk's solution U7-07
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 bc-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	No classification
Health hazards	Acute toxicity (oral)	No classification
	Acute toxicity (dermal)	classification not possible
	Acute toxicity (inhalation:gas)	No classification
	Acute toxicity (inhalation:vapors)	classification not possible
	Acute toxicity (inhalation:dust/mist)	classification not possible
	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2
	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
	Specific target organ toxicity (single exposure)	Category 2 (blood, respiratory system)

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	Specific target (repeated expo			classification not possible
	Aspiration haza	ard		classification not possible
Environmental hazards	Hazardous to tl environment, s			classification not possible
	Hazardous to tl environment, lo			classification not possible
	Hazardous to tl	he	ozone layer	classification not possible
Hazard pictograms (GHS JP)				
	GHS07	G	HS08	
Signal word (GHS JP))	:	Warning	
Hazard statements (G	GHS JP)	:		tion (H315) ye irritation (H319) ge to organs (blood, respiratory system) (H371)
Precautionary statem	ents (GHS JP)			
Prevention		:	Wash hands, fore Do not eat, drink of	ist/fume/gas/mist/vapors/spray. (P260) arms and face thoroughly after handling. (P264) or smoke when using this product. (P270) loves/protective clothing/eye protection/face protection.
Response		:	IF IN EYES: Rinst contact lenses, if (P305+P351+P33 IF exposed or cor (P308+P311) If skin irritation oc If eye irritation per	h with plenty of water. (P302+P352) e cautiously with water for several minutes. Remove present and easy to do. Continue rinsing. (8) accerned: Call a POISON CENTER or doctor. curs: Get medical advice/attention. (P332+P313) rsists: Get medical advice/attention. (P337+P313) ated clothing and wash it before reuse. (P362+P364)
Storage Disposal		:	Store locked up. (Dispose of conter	P405) hts/container to hazardous or special waste collection ce with local, regional, national and/or international

3. Composition/information on ingredients

Distinction of substance or mixture : Mixture

Name	Concentration or	Formula	Kanpo	CAS RN	
Name	Concentration range	Tornala	CSCL no	ISHL no	
Crystal violet	About 0.01%	C25H30CIN3	(5)-1971	Existing Chemical Substance	548-62-9
Acetic acid	About 1.02%	СНЗСООН	(2)-688	Existing Chemical Substance	64-19-7
Water	About 98.97%	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.
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 I	Equ	ipment 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 Conta	ainm	nent 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.
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	:	Cool and dark place

8. Exposure controls / Personal protection equipment

Exposure limit values	
Acetic acid	
Exposure limits (JSOH)	10ppm(25mg/m3)
Exposure limits (ACGIH)	TWA 10 ppm,STEL 15 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

	•
:	Liquid
:	Liquid
:	No data available
:	No data available
:	2.9 (25°C)
:	No data available
:	No data available
:	No data available
:	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 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)	No classification
Acute toxicity (dermal)	classification not possible
Acute toxicity (inhalation)	vapors:classification not possible
	Gases:No classification
	dust, mist:classification not possible
Skin corrosion/irritation	Category 2

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Reproductive toxicity No classification		
STOT-single exposure No classification	•	
	STOT-single exposure	No classification

Water		
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,	classification not possible
short-term (acute)	
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
Crystal violet	
Hazardous to Aquatic Environment -	classification not possible
Acute Hazard	
Hazardous to Aquatic Environment -	classification not possible
Chronic Hazard	
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
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
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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 applicable
Proper Shipping Name (IMDG)	:	Not applicable
Packing group (IMDG)	:	Not applicable
Transport hazard class(es) (IMDG)	:	Not applicable

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

:	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) Acetic acid (Ordinance number : 176) Corrosive Liquids (Ordinance on Industrial Safety and Health Law Art. 326)
:	Not applicable
:	Not applicable
:	Export Trade Control Ordinance appendix 1-16
:	Not applicable
	: : : :

16. Other information

Data sources

Other information

- Handbook of 17322 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.