
Safety Data Sheet

1. Chemical product and company identification

Product name : Ultrapure water

SDS code : F5-09aK

Company/undertaking identification :

HAYASHI PURE CHEMICAL IND.,LTD.

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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 industrial 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)	No classification
		Acute toxicity (dermal)	No classification
Acute toxicity (inhalation:gas)		No classification	
Acute toxicity (inhalation:vapors)		No classification	
Acute toxicity (inhalation:dust/mist)		No classification	
Skin corrosion/irritation		No classification	
Serious eye damage/eye irritation		No classification	
Respiratory sensitization		No classification	
Skin sensitization		No classification	
Germ cell mutagenicity		No classification	
Carcinogenicity		No classification	
Reproductive toxicity	No classification		
Specific target organ toxicity (single exposure)	No classification		

Environmental hazards	Specific target organ toxicity (repeated exposure)	No classification
	Aspiration hazard	No classification
	Hazardous to the aquatic environment, short-term (acute)	No classification
	Hazardous to the aquatic environment, long-term (chronic)	No classification
	Hazardous to the ozone layer	classification not possible

3. Composition/information on ingredients

Distinction of substance or mixture : Substance

Name	Concentration or Concentration range	Formula	Kanpo number		CAS RN
			CSSL no	ISHL no	
Water	100%	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 : Nothing in particular.
 First-aid measures after skin contact : Nothing in particular.
 First-aid measures after eye contact : Nothing in particular.
 First-aid measures after ingestion : Nothing in particular.

5. Fire fighting measures

- Suitable extinguishing media : This product is unburnable.
 Unsuitable extinguishing media : This product is unburnable.
 Hazardous decomposition products in case of fire : This product is unburnable.
 Firefighting instructions : This product is unburnable.
 Protection during firefighting : This product is unburnable.

6. Accidental release measures

Personal Precautions, Protective Equipment and Emergency Procedures

- General measures : Nothing in particular.

Environmental precautions

- Environmental precautions : Nothing in particular.

Methods and Equipment for Containment and Cleaning up

- Methods for cleaning up : No data available.

7. Handling and storage

Handling

- Technical measures : Avoid contact with certain substances affected by water.
 Once retrieved liquid, do not return to the original container.
 Precautions for safe handling : No data available.
 Prevents handling of incompatible substances or mixtures : No data available.

Storage

- Storage conditions : Store in a well-ventilated place. Keep container tightly closed.
 Material used in packaging/containers : Airtight container.

Technical measures : Comply with applicable regulations.
Storage temperature : Cool and dark place

8. Exposure controls / Personal protection equipment

Appropriate engineering controls : No special ventilation requirements required.

Protective equipment

Respiratory protection : Nothing in particular
Hand protection : Nothing in particular
Eye protection : Nothing in particular
Skin and body protection : Nothing in particular

9. Physical and chemical properties

Physical state : Liquid
Appearance : Liquid
Color : colorless transparent
Odor : Odorless
pH : No data available
Melting point : 0 °C
Freezing point : No data available
Boiling point : 100 °C
Flash point : Not inflammable
Auto-ignition temperature : No data available
Decomposition temperature : No data available
Flammability : No data available
Vapor pressure : No data available
Relative density : No data available
Density : 1.00 g/cm³ (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 on contact with certain substances affected by water.
Conditions to avoid : Sunlight. Contact with certain substances affected by water.
Incompatible materials : Nothing in particular
Hazardous decomposition products : Nothing in particular

11. Toxicological information

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

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

Water	
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.

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 : Nothing in particular.
 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) : Not applicable
 Proper Shipping Name (IATA) : Not applicable
 Packing group (IATA) : Not applicable
 Transport hazard class(es) (IATA) : Not applicable

Marine pollutant : Not applicable

Regulations in Japan

Regulatory information by sea : Not applicable
 Regulatory information by air : Not applicable

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

Industrial Safety and Health Law : Not applicable
 Japanese Poisonous and Deleterious Substances Control Law : Not applicable
 Fire Service Law : Not applicable
 Law Relating to Prevention of Marine Pollution and Maritime Disasters : Harmless Substances (Enforcement Order, Art. Appended Table 1-2)

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- 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 : Handbook of 17524 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 contents, and documents in other languages shall be references.