

Safety Data Sheet for Chemical Products(SDS)

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1.PRODUCT NAME

Standard Solution D&A set for dialysis

2. SUMMARY OF HAZARDS

GHS Classification

Substance or mixture

It does not include an applicable material.

Other hazard not classified in GHS

No information.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Pure substance or mixture

Mixture

Chemical formula (only covered in laws and regulations)

The legal target material is not included.

Impurities and Stabilizing additives N/A

4. FIRST AID MEASURES

INHALATION

No possibility to inhale it (aqueous solution).

SKIN CONTACT

Wash skin with water.

EYE CONTACT

Wash eyes immediately with fresh water for 15 minutes or more, seek medical advice/attention.

INGESTION

Immediately rinse out mouth and drink water or

Protection of First Aiders milk, then get them out, seek medical advice.
Nothing in particular
Most Important Sign and Symptom of acute and delayed
No information

5. FIRE FIGHTING MEASURES

This is non-inflammable. In surrounding fire, extinguishing media including water is available to use.

Extinguishing Media Not to be Used No information
Special Firefighting Method No information
Specific Hazards in fire No information
Protection of Firefighters Extinguishing should be operated from windward side, avoid breathing vapors or smoke.
Firefighters must wear appropriate individual protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Precautions for Human health, Protective Equipment and Emergency Measures

Workers must wear appropriate protective equipment

Environmental Precautions

Prevent spilled materials from entering sewers or streams.
Take care not to contaminate the environment. Prevent discharge into the environment.

Containment and Cleaning Nothing in particular

Method/Equipment

Recovery/Neutralization Recover as much spill as possible, absorb remaining spill by cloth, etc., then, burn them. Spill which cannot be recovered should be diluted by a plenty of water and washed out.

Measures of Secondary Accident Prevention No information

7. PRECAUTION IN HANDLING AND STORAGE

Handling

Technical Measures Wear protection equipment not to touch eyes, skin, and clothes.

Precaution Do not drink by mistake. Wash hands and face well.
Do not handle roughly such as turnover, falling, and impact.

Precautions for Safety Handling

Do not eat or drink while using. Avoid contact to skin, eyes, and nose. Wash hands and face thoroughly after handling.

Storage

Safety storage condition

Storage condition Avoid direct sunshine, high temperature substance. Store not to turnover, nor fall.

Safety container packaging material No information

Banned substance for mixture Nothing in particular

8. EXPOSURE CONTROLS AND PROTECTION MEASURE

Facility measure Make hand washing facility, indicate the location clearly.

Control concentration Not decided

Exposure limit Not decided

Protective Equipment

Respiratory Protection Protection mask

Hand Protection Protective gloves

Eyes Protection Protective glasses

Skin and Body Protection Protective boots, clothes, rubber apron, if necessary.

Hygienic Measures No information

9. PHYSICAL AND CHEMICAL PROPERTY

Physical State, Shape, Color, etc. Colorless, clear liquid

Odor Slight smell

pH 7.4~7.6

Melting Point, Freezing Point Approx. 0°C (aqueous solution)

Boiling Point, Initial Boiling Point, and Approx. 100°C (aqueous solution)

Boiling Range

Flash Point Non-combustibility (aqueous solution)

Vapor Velocity No data (aqueous solution)

Combustibility (Solid, Gas) Not applicable (aqueous solution)

Range of combustion Not applicable (aqueous solution)

or explosion(upper/lower limit)

Vapor Pressure No data (aqueous solution)

Vapor Density No data (aqueous solution)

Specific Gravity (Density) 1.0~1.1 g/cm³ (25°C)

Solubility No data(aqueous solution, dissolved by water arbitrarily.)

n-Octanol/Water Partition Coefficient No data (aqueous solution)

Spontaneous Ignition Temperature Not applicable (aqueous solution)

Resolution temperature Not applicable (aqueous solution)

Viscosity (Rate of viscosity) No data (aqueous solution)

10. STABILITY AND REACTIVITY

Stability

Stability	Stable under normal use conditions
Reactivity	Non-reactive under normal use conditions
Possible hazards reaction	
Dangerous polymerizing	No dangerous polymerizing
Conditions to Avoid	No data
Mixture hazard substance	Nothing in particular

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Oral Route

No possibility to classify, because the ingredient that GHS classification result was announced was less than a cut-off level and the evaluation result by the principle of the filler is not classified, but GHS classification result is including the ingredient which was not announced.

Dermal Route

Same as above.

Inhalation: Gas

Because it was the water solution of the electrolyte, it was thought with "Out of the classification", but there were no data and it GHS classification result included the ingredient which was not announced, therefore, it is not classified.

Inhalation: Vapor

Same as above.

Inhalation: Mine dust, mist

The result of the ingredient which was classified in GHS is Out of the class, but GHS classification result included the ingredient which was not announced, therefore, it is not classified.

Skin Corrosion and Irritation

It is the same in "acute toxicity is oral".

Severe Eye Damage and Eye Irritation

Same as above.

Respiratory or Skin Sensitization

There was an ingredient of content more than a cut-off among the ingredients that GHS classification result was announced, but there was not the information of all ingredients, so, it cannot be classified.

Germ Cell Mutagenicity

Same as above.

Carcinogenicity

Same as above.

Reproductive Toxicity

Same as above.

Specific Target Organ/Systemic Toxicity

It is the same as Oral Route of Acute Toxicity.

(Single Exposure)

Specific Target Organ/Systemic Toxicity

Same as above

(Repeated Exposure).

Aspiration Hazard

It is the same as Respiratory or Skin Sensitization.

12. ENVIRONMENTAL HAZARD

Biology hazard

Acute Hazard to the Aquatic Environment

No possibility to classify, because the ingredient that GHS classification result was announced was less than a cut-off level and the evaluation result by the principle of the filler is not classified, but GHS classification result is including the ingredient which was not announced.

Chronic Hazard to the Aquatic Environment

Same as above.

The toxicity to other creatures

No data

Residual property and degradability

No data

Creature accumulation characteristics

No data

Mobility in the soil

No data

Hazardousness to the ozone layer

Because I did not include a material listed by an affiliated book of Montreal Protocol, it cannot be classified.

13. DISPOSAL CONSIDERATIONS

Residual Wastes

On the occasion of discharge, please exhaust it in a large quantity of water in diluted form.

Contaminated Container and Package

Clean it and recycle it or perform appropriate disposal according to the standard of the law concerned and the local government. When you discard an empty container, completely remove contents.

14. TRANSPORT CONSIDERATIONS

ADR/RID(Land)

UN No. N/A
Name N/A
UN Class N/A
Sub hazard N/A
Label N/A
Container class N/A
ERG code N/A

IMDG(Sea)

UN No. N/A
Name N/A
UN Class N/A
Sub hazard N/A
Container class N/A
EmS No. N/A
Sea pollution substance N/A

IATA(Air)

UN No. N/A
Name N/A
UN Class N/A
Sub hazard N/A
Container class N/A

15. APPLICABLE LAWS AND

REGULATIONS

International Inventory

REACH (SVHC)	N/A
TSCA, Chapter 6	N/A
Montreal Protocol	N/A
Stockholm Convention on Persistent Organic Pollutants (POPs)	N/A
Rotterdam Convention on the Prior Informed Consent Procedure for Certain Hazardous Chemicals and Pesticides in International Trade (PIC)	N/A

Domestic Law

Industrial Safety and Health Act	N/A
Act on Confirmation, etc. of Release Amounts of Specific Chemical Substance in the Environment and Promotion of Improvements to the Management Thereof (Law concerning Pollutant Release and Transfer Register / PRTR Law)	N/A
Poisonous and Deleterious Substance Control Law	N/A
The Fire Services Act	N/A
Road Traffic Act	N/A
Ship Safety Law	N/A
Civil Aeronautics Act	N/A
Water Pollution Prevention Act	N/A
Marine Water Protection Law	N/A
Air Pollution Control Law	N/A
Law Concerning the Examination and Regulation of Manufacture	N/A
Pharmaceutical and Medical Device Act	N/A
Stimulants Control Law	N/A
Narcotics and Psychotropics Control Law	N/A
Infectious Diseases Control Law	N/A
Law on the Prohibition of Chemical Weapons and the Regulation of Specific Chemicals	N/A
Law Concerning the Conservation and Sustainable Use of Biological Diversity through Regulations on the Use of Living Modified Organisms	N/A
Organization (serum, plasma, organization) containing presence derived from Homo sapiens	Nothing

Harmful ingredient

Export Trade Control Order	Pertinence (Clause 16 of 1 of the separate table first: 90th optical goods of the Customs Tariff Law, the apparatus for the photograph, an apparatus, measuring
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equipment, inspection equipment, the precision instrument for the movie and a medical device and these components and accessories)

16. OTHER INFORMATION

Reference cited

- 1) With Shinsuke Aoyagi and others, the electrode method electrolyte analyzer (product made in EX-180 Jokoh Co., Ltd.) have been prepared; examination of the density of dialytic fluid and sodium bicarbonate water solution (B liquid) administration, Japanese dialysis medical society magazine, Vol.34 No. 5 Page 339-343 (2001.05.28)
- 2) Patent 4440329th "proofreading liquid for exclusive use of the dialytic fluid" in application date 2009.05.20, concessioner Jokoh Co., Ltd., Eiji Akiyama
- 3) Patent 4440330th "electrode method electrolyte metering equipment having automatic proofreading and a measurement mode for exclusive use of the dialytic fluid" in application date 2009.05.20, concessioner Co., Ltd. Jokoh, Eiji Akiyama
- 4) Japanese chemical substance security, information center "collection of chemical substance control law existing chemical substance safety check data"
- 5) Association of prevention of danger, noxious manual center disaster (1992) of the chemical substance
- 6) GHS classification result (NITE) (classification result (2008 by Ministry of Health, Labour and Welfare and Ministry of the Environment and 2013))
- 7) Making guideline (Japan Chemical Industry Association) of the Material Safety Data Sheet
- 8) Transmission method - label of the dangerous noxious information of the chemical article based on GHS, indication in the workshop and security data sheet (SDS) JIS Z 7,253:2,012

Revision No.

No information

Meaning of abbreviation, acronym in SDS

No information

Disclaimer

This SDS is in accordance with "JIS Z 7253:2012". The statements are based on normal handling, and if you handle as particular way such as combine with other substance, please follow the safety procedure suitable for operation circumstance. The contents are based on the latest information at the revision date, but this does not mean all the information is covered. Therefore, in case we obtain new information, there is a possibility of addition and correction. Also, we do not warrant the accuracy or completeness of the information, as the purpose of this SDS is for informing safety handling information. In all the products, there may be a possibility of having unknown hazard, therefore, please pay attention when you treat this SDS.