Safety Data Sheet for Chemical Products (SDS)

Company name	JOKOH CO., LTD.
Zip code	213-8588
Address	731-1, Unane, Takatsu-ku, Kawasaki-shi, Kanagawa, Japan
Section in charge	Laboratory Division, Reserch & Development Department
TEL.	(044) 811-9211
FAX	(044) 811-9209
Date of preparation	February 26, 2020
Date of revision	

MSDS (Code. No.) No. J10035

1. PRODUCT NAME

Diluent for Urine

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

milk, then get them out, seek medical advice.

Protection of First Aiders 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 Method/Equipment Nothing in particular

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℃ (aqueous solution)
Boiling Point, Initial Boiling Point, and Boiling Range	Approx.100℃ (aqueous solution)
Flash Point	Non-combustibility (aqueous solution)
Vapor Velocity	No data (aqueous solution)
Combustibility (Sold, Gas)	Not applicable (aqueous solution)
Range of combustion or explosion(upper/lower limit)	Not applicable (aqueous solution)
Vapor Pressure	No data (aqueous solution)
Vapor Density	No data (aqueous solution)
Specific Gravity (Density)	1.0~1.1 g/cm3 (25℃)
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 (Single Exposure)	It is the same as Oral Route of Acute Toxicity.
Specific Target Organ/Systemic Toxicity (Repeated Exposure).	Same as above
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)		IMDG(Sea)		IATA (Air)	
UN No.	N/A	UN No.	N/A	UN No.	N/A
Name	N/A	Name	N/A	Name	N/A
UN Class	N/A	UN Class	N/A	UN Class	N/A
Sub hazard	N/A	Sub hazard	N/A	Sub hazard	N/A
Label	N/A	Container class	N/A	Container class	N/A
Container class	N/A	EmS No.	N/A		
ERG code	N/A	Sea pollution substance	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

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 (**J**apan 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.