

Safety Data Sheet

Date prepared: March 9, 2016
Revision date: May 24, 2022
(Ver.2)

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name	Calibrator solution for Acetate-Free Dialysate solution B&D
Product Code	J11039
Company Name, Address	JOKOH CO., LTD. 731-1, Unane, Takatsu-ku, Kawasaki-shi, Kanagawa, 213-8588 Japan TEL: +81-44- 811-9211 FAX: +81-44-811-9209
Contact No.	Laboratory Division, Research & Department TEL: +81-44- 811-9211
Recommended usage	Use as standard solution for dialysis in our Electrolyte Analyzer.
Restrictions in use	Never use other instruments than JOKOH CO., LTD. designated instruments

2. SUMMARY OF HAZARDS

GHS Classification Not applicable to GHS classification.
Other hazards not classified in GHS No information

3. COMPOSITION/ INFORMATION ON INGREDIENTS

Pure Substance or Mixture Mixture
Component The legal target material is not included.
Impurities and Stabilizing additives N/A

4. FIRST AND MEASURES

Inhalation No chance of inhalation (aqueous solution)
Skin Contact Wash the affected skin with water thoroughly
Eye Contact Flush eyes with clean water for 15 minutes at least.
Also, seek medical advice/attention if necessary.
Ingestion Rinse with clean water or drink water/milk to spit it out.
Seek medical attention if necessary.
Protection of First Aiders Nothing in particular
Special precautions for physicians Nothing in particular
Most Important Signs Symptom of acute and delayed No Information

5. FIRE-FIGHTING MEASURES

Extinguishing Media This product is nonflammable. In case of fire around the container, extinguishing media including water can be used.
Extinguishing Media Not to be Used No information
Specific Hazards No information
Special Firefighting Method No information
Protection for firefighters Extinguish from upwind, and avoid inhalation of vapors and smoke.
Wear personal protective equipment.

6. ACCIDENTAL RELEASE MEASURES

Precautions for Human health During work, wear protective equipment.
Precautions for Environmental Be careful not to let the leaked product be discharged into rivers, etc., causing an impact on the environment.
Containment and Cleaning Method/Equipment Recovery/Neutralization Nothing in particular
The leaked liquid is received as much as possible, and the rest will be

Measures of Secondary Accident Prevention	incinerated by absorbing cloth, rags, and the like.
	Not be recoverable liquid, wash away thoroughly diluted with plenty of water.
	No information

7. PRECAUTION IN HANDLING AND STORAGE

Handling:

Technical Measures	Wear the appropriate protective equipment to avoid contact with eyes, skin, and clothing.
Precaution	Avoid accidental ingestion. Wash hands and face thoroughly after handling. Do not handle the container roughly by tipping over, dropping, or applying impact.
Precautions for Safety	Do not eat or drink when in use. Avoid contact with skin, eyes, and nose. Wash hands and face thoroughly after handling.
Handling Storage	
Contact Avoidance	Nothing in particular
Hygiene Measures	Wash hands thoroughly after handling.

Storage:

Safety Storage	
Condition	
Storage Condition	Containers should be kept out of direct sunlight and away from hot objects. Store so as not to fall or topple over.
Safety Container	No information
Packaging Material	
Banned substance for a mixture	No information

8. EXPOSURE CONTROLS AND PROTECTION MEASURES

Allowable Concentration	Not decided
Control Concentration	Not decided
Exposure Limit	Not decided
Facility Measures	Provide hand washing facilities nearby and mark their location.
Protective Equipment	
Respiratory Protection	Protective mask
Hand Protection	Protective gloves
Eye or Face Protection	Protective glasses
Skin and Body Protection	If necessary, protective boots, protective clothing, and rubber fronts

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Physical Color	Clear and colorless
Physical Odor	Odorless
Melting Point/Freezing Point	Approx. 0 °C (aqueous solution)
Boiling Point, Initial Boiling Point, and Boiling Range	Approx. 100 °C (aqueous solution)
Flammability	Non-flammable (aqueous solution)
Lower and Upper Explosive Limits/Flammability Limits	Not applicable (aqueous solution)
Flash Point	Non-flammable (aqueous solution)
Spontaneous Ignition Point	Not applicable (aqueous solution)
Resolution Temperature	Not applicable (aqueous solution)
pH	7.4±0.1
Kinematic Viscosity Rate	No data (aqueous solution)
Evaporation Rate	No data (aqueous solution)
Solubility	No data (aqueous solution, dissolved by water)
n-Octanol/Water Partition Coefficient	No data (aqueous solution)
Vapor Pressure	No data (aqueous solution)
Vapor Density or Relative Vapor Density	1.00~1.10 g/cm ³ (25°C)
Relative Gas Density	No data (aqueous solution)
Particle characteristics	Not applicable (aqueous solution)

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal use conditions
Reactivity	Non-reactive under normal use conditions
Hazardous Reactivity:	
Hazardous Polymerization	No hazardous polymerization reactions
Conditions to avoid	No data
Hazardous substance mixtures	Nothing in particular
Hazardous decomposition products	No data

11. TOXICOLOGICAL INFORMATION

Acute Toxicity:	
Oral	The classification is not applicable due to the evaluation based on the bridging principle.
Transdermal	The classification is not applicable due to the evaluation based on the bridging principle.
Inhalation: Vapor	The classification is not applicable due to containing a component for which GHS classification results have not been published.
Inhalation: Dust, Mist	The classification is not applicable due to the evaluation based on the bridging principle.
Skin Corrosion/ Irritation	The classification is not applicable due to the evaluation based on the bridging principle.
Severe Eye Damage/ Eye Irritation	The classification is not applicable due to the evaluation based on the bridging principle.
Respiratory or Skin Sensitization	The classification is not possible for respiratory sensitization due to no information on all components. For skin sensitization, the classification is not applicable due to the evaluation based on the bridging principle.
Germ cell Mutagenicity	The classification is not applicable due to the evaluation based on the bridging principle.
Carcinogenicity	The classification is not applicable due to the evaluation based on the bridging principle.
Reproductive Toxicity	The classification is not possible due to no information on all components.
Specific Target Organ/Systemic Toxicity (Single Exposure)	The classification is not applicable due to the evaluation based on the bridging principle.
Specific Target Organ/Systemic Toxicity (Repeated Exposure)	The classification is not applicable due to the evaluation based on the bridging principle.
Aspiration Hazard	The classification is not possible due to no information on all components.

12. ENVIRONMENTAL HAZARD

Ecotoxicity	
Acute Hazard to the Aquatic Environment	The classification is not applicable due to the results of the evaluation based on the bridging principle for components for which data is obtained are not applicable.
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	The classification is not possible due to not containing any components listed in the Annex of the Montreal Protocol.

13. DISPOSAL CONSIDERATIONS

Residual Waste Contaminated containers and packaging	Discharge with diluting in a large amount of water. Containers should be cleaned and recycled or properly disposed of in accordance with relevant regulations and local government standards. When disposing of empty containers, completely remove residues retained in the containers.
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14. TRANSPORT CONSIDERATIONS

ADR/RID(Land)		IMDG(Sea)		IATA(Air)	
UN No.	N/A	UN No.	N/A	UN No.	N/A
Product Name	N/A	Product Name	N/A	Product 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 (POPs)	N/A
Rotterdam Convention on the Prior (PIC)	N/A

Domestic Law

Industrial Safety and Health Act	Hazardous and toxic substances of which names, etc., should be notified (Article 57-2 of the Law and Article 18-2 of the Enforcement Order): Triethanolamine (381 in Appended Table 9) 2): Triethanolamine (381 in Appended Table 9)
Law concerning Pollutant Release and Transfer Register (PRTR Law)	N/A
Poisonous and Deleterious Substances Control Act	N/A
Fire Services Act	N/A
Road Act	N/A
Ship Safety Act	N/A
Aviation Act	N/A
Water Pollution Control Act	N/A
Marine Pollution Control Act	N/A
Air Pollution Control Act	N/A
Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc.	N/A

16. OTHER INFORMATION

Reference cited

- 1) Hazard communication of chemicals based on GHS-Labeling and Safety Data Sheet (SDS), JIS Z 7253:2019
- 2) Globally Harmonized System of Classification and Labeling of Chemicals (Revision ver. 2.0)
- 3) Chemical substance management control support project commissioned by the Ministry of Health, Labor and Welfare and Ministry of the Environment, 2008, 2009

Revision No.	Ver. 4
Meaning of abbreviations, acronyms in SDS	No information

Disclaimer

This SDS is following JIS Z 7253:2019. The statements are based on normal handling. 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. In all the products, there may be a possibility of having an unknown hazard, therefore, please pay attention when you treat this SDS.