

Safety Data Sheet (SDS)

Created: September 18, 2020

(First Edition)

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name	Calibrator 2 for IoNEX
Product Code	J11522
Reference Number	P4-SI09-631522-100
Company name, address and phone number	Tsunemitsu Co., Ltd 731-1 Unane, Takatsu-ku, Kawasaki-shi, Kanagawa 213-8588 Phone: 044-811-9211 FAX: 044-811-9209
Emergency number	Phone: 044-811-9211 FAX: 044-811-9249
Recommended usage and restrictions in usage	Used as a calibration solution in IoNEX Never use other instruments than JOKOH CO., LTD designated instruments.

2. SUMMARY OF HAZARDS

GHS Classification	It does not include an applicable material.
Other hazards not classified in GHS	No information

3. COMPOSITION/INFORMATION ON INGREDIENTS

Pure substance or mixture	Mixture
Ingredients	Does not contain legally applicable
Impurities and stabilizing additives	N/A

4. FIRST AID MEASURES

Inhalation	The is no chance of inhalation
Skin contact	There is little chance of skin contact in normal uses. In case of skin contact, wash the affected skin with water thoroughly.
Eye contact	There is little chance of eye contact in normal uses. In case of eye contact, do not rub eye and wash with water for at least 15 minutes. Seek medical attention if need.
Ingestion	There is little chance of ingestion in normal uses. For a case of ingestion, seek medical attention if need.
Protection of First Aiders	No information
Special precautions for Doctor	No information
Most important sign and symptom of acute and delayed	No information

5. FIRE FIGHTING MEASURES

Extinguishing Media	This product is nonflammable. In case of fire around the container, use water, etc. to extinguish.
Extinguishing Media Not to be Used	No information
Special Firefighting Method	No information
Specific Hazards	No information
Protection of Firefighters	Firefighting is done from the windward, avoid steam, the inhalation of smoke. Wear personal protective equipment.

6. ACCIDENTAL RELEASE MEASURES

Precautions for Human health, Protective Equipment and Emergency Measures	During work, wear protective equipment.
Environmental Precautions	Leakage has been the product is discharged into river and the like, be careful not to cause damage to the environment.
Containment and Cleaning Method/Equipment	No information
Recovery/Neutralization	The leaked liquid is recovered as much as possible, and the rest will be incinerated by absorbing cloth, in rag and the like. Not be recoverable liquid, wash away thoroughly diluted with plenty of water.
Measures of Secondary Accident Prevention	No information

7. PRECAUTION IN HANDLING AND STORAGE

Handling

Technical Measures	Wear protective equipment to avoid contact with eyes, skin and clothing.
Precautions	Avoid accidentally swallowing. Wash thoroughly your hands and face after handling. Tumble the container, do not handle it roughly, such as dropping it or applying an impact.
Precautions for safe handling	Do not eat or drink when using. Avoid contact with skin, eyes and nose. Wash thoroughly your hands and face after handling.
Tactile avoidance	Nothing special
Hygienic measures	After handling, wash the hands thoroughly

Storage

Safety storage condition	
Storage conditions	Avoiding storing in direct sunlight and fire condition.
Safety container packaging material	No information
Banned substance for mixture	Nothing in particular

8. EXPOSURE CONTROLS AND PROTECTION MEASURES

Facility measure	Not set
Control concentration	Not set
Exposure Equipment	Not set
Equipment measures	Install a hand-washing facility nearby and clearly display its location.
Protective Equipment	
Respiratory Protection	Protective Mask
Hand Protection	Protective Glove
Eyes Protection	Protective Goggles
Skin and Body Protection	Protective Boots, Protective Clothing, Rubber Apron as need

9. PHYSICAL AND CHEMICAL PROPERTY

Physical state	Liquid
Color	Colorless and transparent
Smell	Slight odor
Melting point/freezing point	Approxiamtely 0°C (aqueous solution)
Boiling point or initial boiling point and boiling point range	Approximately 100°C (aqueous solution)
Flammable	Nonflammable (aqueous solution)
Lower explosive limit/upper explosive limit	Not applicable (aqueous solution)
Flash point	Nonflammable (aqueous solution)
Spontaneous ignition point	Not applicable (aqueous solution)
Decomposition temperature	Not applicable (aqueous solution)
pH	7.52 ± 0.02 (37°C)
Kinematic viscosity	No data (aqueous solution)
Evaporation rate	No data (aqueous solution)
Solubility	No data (aqueous solution)
n-Octanol/water partition coefficient	No data (aqueous solution)
Vapour pressure	No data (aqueous solution)
Density or ralative 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 in normal handling
Reactivity	Non-reactive under normal handling
Possibility of dangerous adverse reactions	
Dangerous polymerization	No dangerous polymerization reaction occurs
Condition to avoid	No data
Dangerous substances to touch	Nothing in particular
Hazardous decomposition product	No data

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Oral route

The result of evaluation based on the principle of connection for the components for which data were obtained are classified into categories. Although it is not applicable, it cannot be classified because it contains components for which there is no data.

Percutaneous route

Same as above.

Inhalation: vapour

Cannot be classified because there is no data for all components

Inhalation: dust, mist

The result of evaluation based on the principle of connection for the components for which data were obtained are classified into categories. Although it is not applicable, it cannot be classified because it contains components for which there is no data.

Skin Corrosion and Irritation

Same as above.

Severe Eye Damage and Eye Irritation

Since it does not correspond to the result classification of the evaluation based on the principle of connection, it corresponds to the classification.

Respiratory or Skin Sensitization

Respiratory sensitization was "unclassifiable" because there was no data for all components. Skin sensitization is evaluated based on the principle of connecting the ingredients for which data are obtained. The results do not fall under the category, but cannot be classified because they contain components for which there is no data.

Germ Cell Mutagenicity

The result of evaluation based on the principle of connection for the components for which data were obtained are classified into categories. Although it is not applicable, it cannot be classified because it contains components for which there is no data.

Carcinogenicity

Same as above.

Reproductive Toxicity

Same as above.

Specific target organ toxicity (single exposure)

Since it does not correspond to the result classification of the evaluation based on the principle of connection, it corresponds to the classification.

Specific target organ toxicity (repeated exposure)

Same as above.

Harmfulness of error

Same as above.

12. ENVIRONMENT HAZARDS

Biology hazard

Acute Hazard to the Aquatic Environment	The result of evaluation based on the principle of connecting the components for which data were obtained do not fall under the category. However, it cannot be classified because it contains components for which there is no data.
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 oil	No data
Hazardousness to the ozone layer	Because it is not including a material listed by an affiliated book of Montreal Protocol, it cannot be classified.

13. DISPOSAL CONSIDERATIONS

Residual Wastes	When discharging, dilute with a large amount of water and discharge
Contaminated Container and Package	Container should be cleaned and recycled, or property disposed of in accordance with relevant regulations and local government standards. When disposing of empty containers, completely remove residues retained in the containers.

14. TRANSPORT CONSIDERATIONS

ADR/RID (Land)		IMDG (Sea)		JATA (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	
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
Article 6 of TSCA	N/A
Montreal Protocol	N/A
Stockholm Convention (POPs)	N/A
Rotterdam Convention (PIC)	N/A
Domestic regulations	
Industrial Safety and Health Act	N/A
Chemical Substance Emission Control Promotion Law (PRTR Law)	N/A
Poisonous and Deteeious Substances Control Law	N/A
Fire Service Act	N/A
Road Law	N/A
Ship Safety Law	N/A
Aviation Law	N/A
Water Pollution Control Law	N/A
Marine Pollution Control Law	N/A
Air Pollution Control Law	N/A
Chemical Substances Control Law	N/A

16. OTHER INFORMATION

Reference cited

- 1) How to Communicate Hazard Information on Chemicals Based on GHS-Labels, Workplace Labels and Safety Data Sheets (SDS) JIS Z 7253:2019
- 2) GHS Classification Guidance for Businesses (Reiwa First Year Revised Edition (Ver. 2.0))
- 3) Chemical substance management support project (Ministry of Health, Labor and Welfare / Ministry of the Environment consignment project 2008/2009)

Revision number	First edition
Meaning of abbreviations and acronyms in safety data sheet	No information

Disclaimer

This SDS complies with JIS Z 7253:2019. The description is for normal handling. The latest information on the revision date. Although it is created based on the information, it does not cover all the information, so if you get new information, it may be added or corrected. All products may have unknown hazards and should be handled carefully.
