Safety Data Sheet (SDS)

Created: September 18, 2020

(First Edition)

1. CHEMICAL PRODUCT AND COMPANY INDENTIFICATION

Product Name	Calibrator 1 for IoNEX
Product Code	J11521
Reference Number	P4-SI09-631521-100
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
Emmergency 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 metarial.**
Other hazards not classified in GHS	**No information**

3. COMPOSITION/INFORMATION ON INGREDIENTS

Pure subtance 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 andwash 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 Uesd	**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 equiment.**

6. ACCIDENTAL RELEASE MEASURES

Precautions for Human health, Protective Equiment and Emmergency Measures	**During work, wear protective equiment.**
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/Equiment	**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 equiment 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 condirion

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 Equiment	**Not set**
Equiment measures	**Install a hand-washing facility nearby and clearly display its location.**
Protective Equiment	
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 subtances to touch	**Nothing in particular**
Hazardous decomposition product	**No data**

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Oral route	**The result of evalution based on the principle of connection for the components for which data were obtained are classifed 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 evalution based on the principle of connection for the components for which data were obtained are classifed 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 evalution based on the principle of connection, it corresponds to the classification.**
Respiratory or Skin Sensitazation	**Respiratory sensitization was "unclassifiable" because there was no data for all components. Skin sensitization is evaluted 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 evalution based on the principle of connection for the components for which data were obtained are classifed 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 evalution 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 evalution 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 CONSIDERRATIONS

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 revelant 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 subtance**	**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 Subtance Emission Control Promotion Law (PRTR Law)	**N/A**
Poisonnous and Deteeious Subtances 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 Subtances 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 subtance 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.