SAFETY DATA SHEET

According to JIS Z 7253:2019
Issue Date 25-Aug-2025
Revision Number 1

Section 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name	RiboNAT™ Rapid Sterility Test - RNA Isolation Kit 2
Product Code	297-98001

Supplier FUJIFILM Wako Pure Chemical Corporation
1-2 Doshomachi 3-Chome, Chuo-ku, Osaka 540-8605, Japan
Phone: +81-6-6203-3741
Fax: +81-6-6203-2029
Emergency telephone number +81-6-6203-3741 / +81-3-3270-8571
Recommended uses For research use only
Restrictions on use Seek expert judgment when using for purposes other than those recommended.

Section 2: HAZARDS IDENTIFICATION

GHS classification
Classification of the substance or mixture

Flammable liquids	Category 2
Acute toxicity - Dermal	Category 4
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 1
Respiratory sensitization	Category 1
Carcinogenicity	Category 1A
Reproductive Toxicity	Category 1A
Specific target organ toxicity (single exposure)	Category 1, Category 3
Category 1 central nervous system, systemic toxicity	
Category 3 Respiratory irritation, Narcotic effects	
Specific target organ toxicity (repeated exposure)	Category 1, Category 2
Category 1 respiratory system, immune system, kidneys, blood system, central nervous system, ears, liver	
Category 2 spleen	
Acute aquatic toxicity	Category 2

Pictograms

Signal word Danger

Hazard statements
H225 - Highly flammable liquid and vapor
H315 - Causes skin irritation
H318 - Causes serious eye damage
H312 - Harmful in contact with skin
H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled
H350 - May cause cancer
H360 - May damage fertility or the unborn child
H335 - May cause respiratory irritation
H336 - May cause drowsiness or dizziness

H401 - Toxic to aquatic life
H370 - Causes damage to the following organs: central nervous system, systemic toxicity
H372 - Causes damage to the following organs through prolonged or repeated exposure: respiratory system, immune system, kidneys, blood system, central nervous system, ears, liver
H373 - May cause damage to the following organs through prolonged or repeated exposure: spleen

Precautionary statements-(Prevention)
- Obtain special instructions before use
- Do not handle until all safety precautions have been read and understood
- Use personal protective equipment as required
- Wash face, hands and any exposed skin thoroughly after handling
- In case of inadequate ventilation wear respiratory protection
- Do not breathe dust/fume/gas/mist/vapors/spray
- Do not eat, drink or smoke when using this product
- Use only outdoors or in a well-ventilated area
- Avoid release to the environment
- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
- Keep container tightly closed
- Ground/bond container and receiving equipment
- Use explosion-proof electrical/ ventilating / lighting / equipment
- Use only non-sparking tools
- Take precautionary measures against static discharge
- Keep cool

Precautionary statements-(Response)
- IF exposed: Call a POISON CENTER or doctor/physician
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- Immediately call a POISON CENTER or doctor/physician
- Call a POISON CENTER or doctor/physician if you feel unwell
- If skin irritation occurs: Get medical advice/attention
- IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
- Wash contaminated clothing before reuse
- If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician
- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
- In case of fire: Use suitable extinguishing media for extinction

Precautionary statements-(Storage)
- Store locked up
- Store in a well-ventilated place. Keep container tightly closed

Precautionary statements-(Disposal)
- Dispose of contents/container to an approved waste disposal plant

Others
Other hazards Not available

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

Single Substance or Mixture Kit (Set of mixtures)

Chemical Name	Weight-%	Molecular weight	ENCS	ISHL No.	CAS RN
Lysis Buffer	-	N/A	N/A	N/A	N/A-29-9801
Lytic Enhancer	-	N/A	N/A	N/A	N/A-29-9802
Magnetic Beads	-	N/A	N/A	N/A	N/A-29-9803
Binding Buffer	-	N/A	N/A	N/A	N/A-29-9804
1st-Wash buffer (1)	-	N/A	N/A	N/A	N/A-29-9805
2nd-Wash buffer (2)	-	N/A	N/A	N/A	N/A-29-9806
Elution Buffer	-	N/A	N/A	N/A	N/A-29-9807
Sample Tube	-	N/A	N/A	N/A	N/A-29-9808
Elution Tube	-	N/A	N/A	N/A	N/A-29-9809

Note on ISHL No.: * in the table means announced chemical substances.

Substances Remarks: This Product includes the following componets. Sodium iodide 45 - 55 %, Disodium Edetate Dihydrate 1.0 - 5.0 %, Sodium Dodecyl Sulfate 5.0 - 15 %, Hydrogen Chloride 0.10 - 0.50 %, Silica 0.10 - 1.0 %, 2-Propanol 70 %, 1-Butanol 60 %, Ethanol 75 - 85 %

Section 4: FIRST AID MEASURES

Inhalation
Remove to fresh air. If symptoms persist, call a physician.
Skin contact
Wash off immediately with soap and plenty of water. If symptoms persist, call a physician.
Eye contact
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediate medical attention is required.
Ingestion
Rinse mouth. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately. Do not induce vomiting without medical advice.
Protection of first-aiders
Use personal protective equipment as required.

Section 5: FIRE FIGHTING MEASURES

Suitable extinguishing media
Carbon dioxide (CO2), Foam, Extinguishing powder, Sand
Unsuitable extinguishing media
No information available
Specific hazards arising from the chemical product
Thermal decomposition can lead to release of irritating and toxic gases and vapors. Vapors may form explosive mixtures with air
Special extinguishing method
No information available
Special protective actions for fire-fighters
Use personal protective equipment as required. Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures
For indoor, provide adequate ventilation process until the end of working. Deny unnecessary entry other than the people involved by, for example, using a rope. While working, wear appropriate protective equipments to avoid adhering it on skin, or inhaling the gas. Work from windward, and retract the people downwind.
Environmental precautions
To be careful not discharged to the environment without being properly handled waste water contaminated.
Methods and materials for contaminent and methods and materials for cleaning up
Absorb dry sand, earth, sawdust and the waste. Collect empty container that can be sealed.
Recoverly, neutralization
No information available
Secondary disaster prevention measures
Clean contaminated objects and areas thoroughly observing environmental regulations.

Section 7: HANDLING AND STORAGE

Handling
Technical measures
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.Use with local exhaust ventilation. Use with local

exhaust ventilation.

Precautions

Do not rough handling containers, such as upsetting, falling, giving a shock, and dragging. Prevent leakage, overflow, and scattering. Not to generate steam and dust in vain. Seal the container after use. After handling, wash hands and face, and then gargle. In places other than those specified, should not be smoking or eating and drinking. Should not be brought contaminated protective equipment and gloves to rest stops. Deny unnecessary entry of non-emergency personnel to the handling area.

Safety handling precautions

Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). Use personal protective equipment as required. Avoid contact with skin, eyes or clothing.

Storage

Safe storage conditions

Storage conditions	Store away from sunlight in well-ventilated place at room temperature (preferably cool). Keep container tightly closed.
Safe packaging material	No information available
Incompatible substances	Strong oxidizing agents

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls

In case of indoor workplace, seal the source or use a local exhaust system. Provide the safety shower facility, and hand- and eye-wash facility. And display their position clearly.

Exposure limits

Chemical Name	JSOH (Japan)	ISHL (Japan)	ACGIH
Ethanol 64-17-5	N/A	N/A	STEL: 1000 ppm
2-Propanol 67-63-0	400ppm(980 mg/m^3)	ISHL/ACL: 200 ppm	STEL: 400 ppm TWA: 200 ppm
1-Butanol 71-36-3	50ppm(150mg/m^3)	ISHL/ACL: 25 ppm	TWA: 20 ppm
Sodium iodide 7681-82-5	N/A	N/A	TWA: 0.01 mg/m^3 I inhalable particulate matter Skin
Silicagel 7631-86-9	TWA: 0.03 mg/m^3 OEL	N/A	TWA 10mg/m^3
Hydrogen Chloride 7647-01-0	Ceiling: 2 ppm Ceiling: 3.0 mg/m^3	N/A	Ceiling: 2 ppm

Personal protective equipment

Respiratory protection	gas mask for organic gas (JIS T 8152)
Hand protection	chemical protective gloves (JIS T 8116)
Eye protection	protective eyeglasses or chemical safety goggles (JIS T 8147)
Skin and body protection	Long-sleeved work clothes

General hygiene considerations

Handle in accordance with good industrial hygiene and safety practice.

If this product is classified as ”Chemical Substances Hazardous to Skin, etc.”, use appropriate protective equipment to them.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Form

Appearance	Kit (Set of mixtures)
Odor	no data available
Melting point/freezing point	no data available
Boiling point, initial boiling point and boiling range	no data available
Flammability	Highly flammable liquid and vapor
Evaporation rate:	no data available

Flammability (solid, gas):	no data available
Upper/lower flammability or explosive limits	
Upper：	no data available
Lower：	no data available
Flash point	no data available
Auto-ignition temperature:	no data available
Decomposition temperature:	no data available
pH	no data available
Viscosity (coefficient of viscosity)	no data available
Dynamic viscosity	no data available
Solubilities	no data available
n-Octanol/water partition coefficient:(log Pow)	no data available
Vapour pressure	no data available
Specific Gravity / Relative density	no data available
Vapour density	no data available
Particle characteristics	no data available

Section 10: STABILITY AND REACTIVITY

Stability

Reactivity no data available
Chemical stability Stable under recommended storage conditions.

Hazardous reactions
None under normal processing

Conditions to avoid
Extremes of temperature and direct sunlight, Heat, flames and sparks, static electricity, spark

Incompatible materials
Strong oxidizing agents

Hazardous decomposition products
Carbon monooxide (CO), Carbon dioxide (CO2), Nitrogen oxides (NOx), Sulfur oxides (SOx), Halides

Section 11: TOXICOLOGICAL INFORMATION

*NITE: National Institute of Technology and Evaluation (JAPAN)
https://www.chem-info.nite.go.jp/en/chem/chrip/chrip_search/srhInput

Acute toxicity

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Ethanol	6200 mg/kg (Rat)	20000 mg/kg (Rabbit)	63000 ppm V (Rat) 4 h
2-Propanol	4384 mg/kg (Rat)	12870 mg/kg (Rabbit)	27908 ppmV (Rat) 4 h
1-Butanol	2510 mg/kg (Rat) 2290 mg/kg (Rat)	3400 mg/kg (Rabbit) 3402 mg/kg (Rabbit)	24.2 mg/L (Rat) 4 h
Sodium iodide	4340 mg/kg (Rat)	N/A	N/A
Sodium Dodecyl Sulfate	1,200 mg/kg (Rat)	200 mg/kg (Rabbit)	> 3900 mg/m^3 (Rat) 1 h
Silicagel	> 3160 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	> 58.8 mg/L (Rat) 4 h
Hydrogen Chloride	238 - 277 mg/kg (Rat)	>5010 mg/kg (Rabbit)	1411 ppm (Rat) 4 h

Chemical Name	Acute toxicity -oral- source information	Acute toxicity -dermal- source information	Acute toxicity -inhalation gas- source information
Ethanol	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
2-Propanol	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
1-Butanol	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Sodium Dodecyl Sulfate	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Silicagel	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Hydrogen Chloride	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.

Chemical Name	Acute toxicity -inhalation vapor- source information	Acute toxicity -inhalation dust- source information	Acute toxicity -inhalation mist- source information
Ethanol	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
2-Propanol	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
1-Butanol	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Sodium Dodecyl Sulfate	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Silicagel	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Hydrogen Chloride	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.

Skin irritation/corrosion

Chemical Name	Skin corrosion/irritation source information
Ethanol	Based on the NITE GHS classification results.
2-Propanol	Based on the NITE GHS classification results.
1-Butanol	Based on the NITE GHS classification results.
Sodium Dodecyl Sulfate	Based on the NITE GHS classification results.
Silicagel	Based on the NITE GHS classification results.
Hydrogen Chloride	Based on the NITE GHS classification results.

Serious eye damage/ irritation

Chemical Name	Serious eye damage/irritation source information
Ethanol	Based on the NITE GHS classification results.
2-Propanol	Based on the NITE GHS classification results.
1-Butanol	Based on the NITE GHS classification results.
Sodium Dodecyl Sulfate	Based on the NITE GHS classification results.
Silicagel	Based on the NITE GHS classification results.
Hydrogen Chloride	Based on the NITE GHS classification results.

Respiratory or skin sensitization

Chemical Name	Respiratory or Skin sensitization source information
Ethanol	Based on the NITE GHS classification results.
2-Propanol	Based on the NITE GHS classification results.
1-Butanol	Based on the NITE GHS classification results.
Sodium Dodecyl Sulfate	Based on the NITE GHS classification results.
Silicagel	Based on the NITE GHS classification results.
Hydrogen Chloride	Based on the NITE GHS classification results.

Reproductive cell mutagenicity

Chemical Name	germ cell mutagencity source information
Ethanol	Based on the NITE GHS classification results.
2-Propanol	Based on the NITE GHS classification results.
1-Butanol	Based on the NITE GHS classification results.
Sodium Dodecyl Sulfate	Based on the NITE GHS classification results.
Silicagel	Based on the NITE GHS classification results.
Hydrogen Chloride	Based on the NITE GHS classification results.

Carcinogenicity

Chemical Name	Carcinogenicity source information
Ethanol	Based on the NITE GHS classification results.
2-Propanol	Based on the NITE GHS classification results.
1-Butanol	Based on the NITE GHS classification results.
Sodium Dodecyl Sulfate	Based on the NITE GHS classification results.
Silicagel	Based on the NITE GHS classification results.
Hydrogen Chloride	Based on the NITE GHS classification results.

Chemical Name	NTP	IARC	ACGIH	JSOH
Ethanol 64-17-5	Known	N/A	A3	-

2-Propanol 67-63-0	N/A	Group 3	N/A	-
Silicagel 7631-86-9	Known	Group 3	N/A	Group 1
Hydrogen Chloride 7647-01-0	N/A	Group 3	N/A	N/A

Reproductive toxicity

Chemical Name	Reproductive toxicity source information
Ethanol	Based on the NITE GHS classification results.
2-Propanol	Based on the NITE GHS classification results.
1-Butanol	Based on the NITE GHS classification results.
Sodium Dodecyl Sulfate	Based on the NITE GHS classification results.
Silicagel	Based on the NITE GHS classification results.
Hydrogen Chloride	Based on the NITE GHS classification results.

STOT-single exposure

Chemical Name	STOT -single exposure- source information
Ethanol	Based on the NITE GHS classification results.
2-Propanol	Based on the NITE GHS classification results.
1-Butanol	Based on the NITE GHS classification results.
Sodium Dodecyl Sulfate	Based on the NITE GHS classification results.
Silicagel	Based on the NITE GHS classification results.
Hydrogen Chloride	Based on the NITE GHS classification results.

STOT-repeated exposure

Chemical Name	STOT -repeated exposure- source information
Ethanol	Based on the NITE GHS classification results.
2-Propanol	Based on the NITE GHS classification results.
1-Butanol	Based on the NITE GHS classification results.
Sodium Dodecyl Sulfate	Based on the NITE GHS classification results.
Silicagel	Based on the NITE GHS classification results.
Hydrogen Chloride	Based on the NITE GHS classification results.

Aspiration hazard

Chemical Name	Aspiration Hazard source information
Ethanol	Based on the NITE GHS classification results.
2-Propanol	Based on the NITE GHS classification results.
1-Butanol	Based on the NITE GHS classification results.
Sodium Dodecyl Sulfate	Based on the NITE GHS classification results.
Silicagel	Based on the NITE GHS classification results.
Hydrogen Chloride	Based on the NITE GHS classification results.

Section 12: ECOLOGICAL INFORMATION

*NITE: National Institute of Technology and Evaluation (JAPAN)
https://www.chem-info.nite.go.jp/en/chem/chrip/chrip_search/srhInput

Ecotoxicity

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Ethanol	*EC50 : Chlorella alga* *1000 mg/L 96 h*	*LC50 : Oncorhychus mykiss* *11200 ppm 96 h*	*EC50 : Daphnia magna* *5463 mg/L 48 h*
2-Propanol	*ErC50 : Pseudokirchneriella subcapitata* *> 1000 mg/L 72 h*	*LC50 : Orange-red Killish* *> 100 mg/L 96 h*	*EC50 : Daphinia magna* *> 1000 mg/L 48 h*
1-Butanol	*ErC50 : : Raphidocelis* *> 1000 mg/L 72 h*	*LC50 : Oryzias latipes* *> 100 mg/L 96 h*	*EC50 : Daphnia magna* *> 1000 mg/L 48 h*
Sodium iodide	*N/A*	*LC50 : rainbow trout* *860 mg/L 96 h*	*N/A*
Sodium Dodecyl Sulfate	*EC50 : Desmodesmus subspicatus* *53 mg/L 72 h*	*LC50 : Oncorhynchus mykiss* *4.3 - 8.5 mg/L 96 h*	*LC50 : Acartia tonsa* *0.12 mg/L 96 h*

Silicagel	*EC50 : Pseudokirchneriella subcapitata 440 mg/L 72 h*	*LC50 : Brachydanio rerio 5000 mg/L 96 h*	*EC50 : Ceriodaphnia dubia 7600 mg/L 48 h*
Hydrogen Chloride	*N/A*	*N/A*	*EC50 : Daphinia magna 0.492 mg/L 48 h*

Other data

Chemical Name	Short-term (acute) hazardous to the aquatic environment source information	Long-term (chronic) hazardous to the aquatic environment source information
Ethanol	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
2-Propanol	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
1-Butanol	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Sodium Dodecyl Sulfate	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Silicagel	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.
Hydrogen Chloride	Based on the NITE GHS classification results.	Based on the NITE GHS classification results.

Persistence and degradability No information available
Bioaccumulative potential No information available
Mobility in soil No information available
Hazard to the ozone layer No information available

Section 13: DISPOSAL CONSIDERATIONS

Waste from residues
Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated container and contaminated packaging
Disposal should be in accordance with applicable regional, national and local laws and regulations.

Section 14: TRANSPORT INFORMATION

ADR/RID
UN number UN1993
Proper shipping name: Flammable liquid, n.o.s. (2-Propanol and Ethanol Mixture)
UN classfication 3
Subsidiary hazard class
Packing group II
Marine pollutant Not applicable

IMDG
UN number UN1993
Proper shipping name: Flammable liquid, n.o.s. (2-Propanol and Ethanol Mixture)
UN classfication 3
Subsidiary hazard class
Packing group II
Marine pollutant (Sea) Not applicable
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code No information available

IATA
UN number UN1993
Proper shipping name: Flammable liquid, n.o.s. (2-Propanol and Ethanol Mixture)
UN classfication 3
Subsidiary hazard class
Packing group II

Environmentally Hazardous Substance Not applicable

Section 15: REGULATORY INFORMATION

Japanese regulations

Fire Service Act Category IV, Class I petroleums, dangerous grade 2 water-soluble

Poisonous and Deleterious Substances Control Law Not applicable

Industrial Safety and Health Act Harmful Substances Whose Names Are to be Indicated on the Label (Law Art.57)
Notifiable Substances (Law Art.57-2)
Class 2 Organic Solvents (Enforcement Order Attached Table No.6-2, Ordinance on Prevention of Organic Solvent Poisoning Art.1, Para.1, Item 5)
Working Environment Evaluation Standards, Administrative Control Levels (Law Art.65-2, Para.1)
Dangerous Substances - Flammable Substance (Enforcement Order Attached Table 1 Item 4)
Chemical Substances Hazardous to Skin, etc.(Regulations Article 594-2 Paragraph 1)

Industrial Safety and Health Act (2026~) 【2026.4.1~】Harmful Substances Whose Names Are to be Indicated on the Label (Law Art.57)
【2026.4.1~】Notifiable Substances (Law Art.57-2)

Regulations for the carriage and storage of dangerous goods in ship Flammable Liquids (Ordinance Art.3, Ministry of Transportation Ordinance Regarding Transport by Ship and Storage, Attached Table 1)

Civil Aeronautics Law Flammable Liquids (Ordinance Art.194, MITL Nortification for Air Transportation of Explosives etc., Attached Table 1)

Pollutant Release and Transfer Register Law (2023.4.1-) Class 1

Class 1 - No. 275,595

Water Pollution Control Act Specified substances(Law Art.2 Para.4, Enforcement Order Art.3-3)

Air Pollution Control Law Hazardous Air Pollutants, Specified Substances

Pollution Release and Transfer Registry (~2023.3.31)

Class	Chemical Name in Regulation	(Metal Name)	Control number	Content Rate
Class 1	Ethylenediaminetetraacetic acid and its potassium and sodium salts	-	595	1.0 -5.0
Class 1	Dodecyl sodium sulfate	-	275	5.0 - 15

Industrial Safety and Health Law

Law Name	Chemical Name in Regulation	Weight %	Scheduled enforcement date
Notifiable Substances (Law Art.57-2)	Iodine and Iodine compounds	45 - 55	Existing Law
Notifiable Substances (Law Art.57-2)	Sodium dodecyl sulfate	5.0 - 15	Existing Law
Notifiable Substances (Law Art.57-2)	Hydrogen chloride	0.10 - 0.50	Existing Law
Notifiable Substances (Law Art.57-2)	Butanol	60	Existing Law
Notifiable Substances (Law Art.57-2)	Propyl alcohol	70	Existing Law
Notifiable Substances (Law Art.57-2)	Ethanol	75 - 85	Existing Law
Notifiable Substances (Law Art.57-2)	Amorphous silica (silica gel, precipitated silica)	0.10 - 1.0	2026/4/1

Section 16: OTHER INFORMATION

Key literature references and sources for data etc.

NITE: National Institute of Technology and Evaluation (JAPAN)
https://www.chem-info.nite.go.jp/en/chem/chrip/chrip_search/srhInput
IATA dangerous Goods Regulations
RTECS:Registry of Toxic Effects of Chemical Substances
Japan Industrial Safety and Health Association GHS Model SDS
Dictionary of Synthetic Oraganic Chemistry , SSOCJ, Koudansha Scientific Co.Ltd.
Chemical Dictionary, Kyouritsu Publishing Co., Ltd.
etc

Disclaimer
This SDS is according to JIS Z 7253: 2019. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.
GHS Classification is according to JIS Z 7252:2019. *JIS: Japanese Industrial Standards

End of Safety Data Sheet