

SAFETY DATA SHEET

Section 1: PRODUCT AND COMPANY IDENTIFICATION

Product name	RUO LZ TEST EIKEN SAA
Product code	V-SZ11
Recommended Use and Restrictions on Use	For research use only
Supplier Name:	Eiken Chemical Co., Ltd.
Address:	4-19-9, Taito, Taito-ku, Tokyo 110-8408 JAPAN
Telephone number:	+81-3-5846-3479 (8:45–17:30 JST on WEEKDAY)
Telefax number:	+81-3-5846-3490

Section 2: HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

Classification according to Regulation (EC) No 1272/2008

Reagent 1

- Acute toxicity, Oral (Category 4)
- Acute toxicity, Inhalation (Category 4)
- Skin irritation (Category 2)
- Eye irritation (Category 2)

Reagent 2

- Skin sensitization (Category 1)

Label Elements

Pictograms



Signal Words

Warning

Hazard Statements

H302
H315
H317
H319

Harmful if swallowed
Causes skin irritation
May cause an allergic skin reaction.
Causes serious eye irritation

Precautionary Statements

P261

P264
P270

P280
P301 + P312 + P330

P302 + P352
P305 + P351 + P338

P333 + P313

P337 + P313

Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
Wash hands thoroughly after handling.
Do not eat, drink, or smoke when using this product.
Wear eye protection/ face protection.
IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell. Rinse mouth.
IF ON SKIN: Wash with plenty of water.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If skin irritation or rash occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.

Supplemental Hazard Statements None

Other Hazards None

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Substance / Mixture	Mixture		
Composition	Reagent 1	Buffer solution	20 ml × 2
	Hazard substances		Guanidinium chloride 3.8% (0.4 M) ProClin300 0.1%
	Reagent 2	Latex Reagent	20 ml × 2
	Hazard substances		ProClin300 0.1%
Information on Chemical Properties			
Hazardous ingredients (Common names and synonyms)	Guanidinium chloride		ProClin300
	Guanidine hydrochloride		
Chemical Formula	CH ₅ N ₃ ·HCl		-
CAS No.	50-01-1		55965-84-9
Other identifiers	EC No.: 200-002-3		-

Section 4: FIRST-AID MEASURES

Inhalation	Move the victim to fresh air. Rest in a comfortably breathing position. Consult a physician.
Eye Contact	IF IN EYES: Wash with plenty of water immediately for at least 15 minutes. Consult a physician.
Skin Contact	IF IN SKIN: Wash with plenty of water. Consult a physician.
Ingestion	IF SWALLOWED: Wash your mouth with plenty of water. Consult a physician.
Anticipated Acute Effects and Delayed Effects	No data available
Most important Symptoms/Effects	See Section 2 Hazard statements and Section 11

Section 5: FIRE-FIGHTING MEASURES

Extinguishing Media	Water, powder, CO ₂ , foam
Prohibited Extinguishing	Not applicable
Specific Hazards arising from the Substance or Mixture	Carbon oxides, nitrogen oxides (NO _x), Hydrogen chloride gas
Special Protective Actions for Firefighters	Wear self-contained breathing apparatus for firefighting if necessary.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, Emergency Procedures	Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.
Environmental Precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods for Cleaning Up	Wipe up the solution with disposal without creating dust. Keep in suitable, closed containers for disposal.
Reference to Other Section	For disposal, see section 13.

Section 7: HANDLING AND STORAGE

Precautions for Safe Handling	Avoid contact with skin and eyes. Avoid formation of dust and aerosols.
Conditions for Safe Storage, Including Any Incompatibilities	Store at 2-10°C. Keep container closed and away from direct sunlight. Do not freeze.
Specific End Use(s)	No data available

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters	Components with workplace control parameters: no data available.
Exposure Controls	
Engineering measures	Use at a laboratory with facilities for washing body and eyes.
Personal protective equipment	Use personal protective equipment to avoid contact with eyes, mouth, skin, and clothing respond to situations.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Color	Reagent 1: Clear and colorless Reagent 2: Milky white
Physical state	Liquid, odorless.
pH	7.30-7.50
Melting point/ Freezing Point	No data available
Boiling Point/ Initial Boiling Point / Boiling Range	No data available
Flash Point	No data available
Flammability Range/ Explosive range	No data available
Vapor pressure	No data available
Vapor density	No data available
Specific gravity Relative Density	No data available
Solubility n Octenol/ Water partition coefficient	No data available
Spontaneous Ignition Temperature	No data available
Decomposition Temperature	No data available
Odor Threshold	No data available
Evaporation Rate	No data available
Flammability(Solid/Gas)	No data available

Section 10: STABILITY AND REACTIVITY

Reactivity	No data available
Stability	Stable until expiry date under recommended conditions.
Hazardous Reaction Possibility	No data available
Conditions to Avoid	Extremes of temperature and direct sunlight, Moisture.
Incompatible Materials	Oxidizing agents
Hazardous Decomposition Substances	In the event of fire: see section 5

Section 11: TOXICOLOGICAL INFORMATION

Acute toxicity	Guanidinium chloride LD50 Oral - Rat - 475 mg/kg LC50 Inhalation - Rat – 5,319 mg/l LD50 Dermal - Rabbit – > 2,000 mg/kg ProClin300 LD50 Oral - Rat – 862 mg/kg LC50 Inhalation - No data available LD50 Dermal - Rabbit – 2,800 mg/kg
Skin Corrosivity/ Irritative	Guanidinium chloride Based on the NITE GHS classification results. ProClin300 Skin – Rabbit - Corrosive
Serious Eye Damage/ Irritative	Guanidinium chloride Based on the NITE GHS classification results. ProClin300 Eyes – Rabbit – Corrosive to eyes
Respiratory Sensitization/ Skin Sensitization	Guanidinium chloride Based on the NITE GHS classification results. ProClin300 Guinea pig – May cause sensitisation by skin contact.
Germ Cell Mutagenicity	Guanidinium chloride Based on the NITE GHS classification results. ProClin300 No data available
Carcinogenicity	Guanidinium chloride Based on the NITE GHS classification results. ProClin300 No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
Reproductive Toxicity	Guanidinium chloride Based on the NITE GHS classification results. ProClin300 No data available
Specific target organ/ Systemic toxicity(Single Exposure)	Guanidinium chloride Based on the NITE GHS classification results.

	ProClin300 No data available
Specific target organ/ Systemic toxicity(Repeated Exposure)	Guanidinium chloride Based on the NITE GHS classification results. ProClin300 No data available
Aspiration Hazard	Guanidinium chloride Based on the NITE GHS classification results. ProClin300 No data available
Additional Information	Guanidinium chloride RTECS: MF4300000 ProClin 300 RTECS: Not available
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.	

Section 12: ECOLOGICAL INFORMATION

Toxicity	Guanidinium chloride Toxicity to fish LC50 (Leuciscus idus) – 1,758 mg/l ProClin300 No data available
Persistence and Degradability	Guanidinium chloride Degree of decomposition 0% by BOD ProClin300 No data available
Bioaccumulative Potential	No data available
Mobility in Soil	No data available
Results of PBT and VPVB Assessment	No data available
Other Adverse Effects	Guanidinium chloride No data available ProClin300 Very toxic to aquatic life with long lasting effects.

Section 13: DISPOSAL CONSIDERATIONS

Waste Treatment Methods	Product Dispose in a safe manner in accordance with local disposal regulations. Contaminated Containers and Packaging Dispose the package of the product in accordance with local disposal regulations.
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Section 14: TRANSPORT INFORMATION

No restrictions apply.

Section 15: REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture Not applicable

Chemical Safety Assessment No data available

Section 16: OTHER INFORMATION

The above information is provided based on our best knowledge and information at the date of its publication. It does not represent any guarantee of this product. In case of special handling, carry out safety measures as appropriate for the application and method of use before attempting to use the substance with user's own responsibility. Eiken Chemical shall not be held liable for any damage from use of this information or from use of this product.