(2012 OSHA Hazard Communication Standard (29 CFR 1910.1200))

SAFETY DATA SHEET

Berichrom® α2-Antiplasmin

Section 1. Identification

Product identifier : Berichrom® α2-Antiplasmin

Product code : OUBU15, 10873884; OUBU175J, 10465710

Product type : Liquid.

Relevant identified uses of the substance or mixture and uses advised against

Not applicable.

Manufactured/supplied : Sysmex Americas
577 Aptakisic RD
Lincolnshire, IL 60069
Company Phone Number: (224) 543-9500

Emergency telephone number ChemTel Inc.
1-800-255-3924 (North America)
1-813-248-0585 (International)

Section 2. Hazards identification

OSHA/HCS status :

Reagent P, Plasmin	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
Plasmin Substrate	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
Reagent P Diluent, Buffer Solution	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

Classification of the substance or mixture : Not classified.

Additional information : Potentially biohazardous material.

Sodium azide may react with lead or copper plumbing to form highly explosive metal azides.

GHS label elements

Signal word :

Reagent P, Plasmin	No signal word.
Plasmin Substrate	No signal word.
Reagent P Diluent, Buffer Solution	No signal word.

Section 2. Hazards identification

Hazard statements	:	Reagent P, Plasmin	No known significant effects or critical hazards.
		Plasmin Substrate	No known significant effects or critical hazards.
		Reagent P Diluent, Buffer Solution	No known significant effects or critical hazards.

Precautionary statements

Prevention	:	Reagent P, Plasmin	Not applicable.
		Plasmin Substrate	Not applicable.
		Reagent P Diluent, Buffer Solution	Not applicable.
Response	:	Reagent P, Plasmin	Not applicable.
		Plasmin Substrate	Not applicable.
		Reagent P Diluent, Buffer Solution	Not applicable.
Storage	:	Reagent P, Plasmin	Not applicable.
		Plasmin Substrate	Not applicable.
		Reagent P Diluent, Buffer Solution	Not applicable.
Disposal	:	Reagent P, Plasmin	Not applicable.
		Plasmin Substrate	Not applicable.
		Reagent P Diluent, Buffer Solution	Not applicable.
Supplemental label elements	:	Reagent P, Plasmin	None known.
		Plasmin Substrate	None known.
		Reagent P Diluent, Buffer Solution	None known.
Hazards not otherwise classified	:	Reagent P, Plasmin	None known.
		Plasmin Substrate	None known.
		Reagent P Diluent, Buffer Solution	None known.

Section 3. Composition/information on ingredients

Substance/mixture	:	Reagent P, Plasmin	Mixture
		Plasmin Substrate	Mixture
		Reagent P Diluent, Buffer Solution	Mixture

Ingredient name	%	CAS number
Reagent P Diluent, Buffer Solution		
sodium azide	≤0.1	26628-22-8

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

Eye contact	:	Reagent P, Plasmin	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
		Plasmin Substrate	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
		Reagent P Diluent, Buffer Solution	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

Section 4. First aid measures

Inhalation	:	Reagent P, Plasmin	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
		Plasmin Substrate	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
		Reagent P Diluent, Buffer Solution	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Skin contact	:	Reagent P, Plasmin	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
		Plasmin Substrate	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
		Reagent P Diluent, Buffer Solution	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Ingestion	:	Reagent P, Plasmin	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
		Plasmin Substrate	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
		Reagent P Diluent, Buffer Solution	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact	:	Reagent P, Plasmin	No known significant effects or critical hazards.
		Plasmin Substrate	No known significant effects or critical hazards.
		Reagent P Diluent, Buffer Solution	No known significant effects or critical hazards.
Inhalation	:	Reagent P, Plasmin	No known significant effects or critical hazards.
		Plasmin Substrate	No known significant effects or critical hazards.
		Reagent P Diluent, Buffer Solution	No known significant effects or critical hazards.
Skin contact	:	Reagent P, Plasmin	No known significant effects or critical hazards.
		Plasmin Substrate	No known significant effects or critical hazards.
		Reagent P Diluent, Buffer Solution	No known significant effects or critical hazards.

Section 4. First aid measures

Ingestion	:	Reagent P, Plasmin	No known significant effects or critical hazards.
		Plasmin Substrate	No known significant effects or critical hazards.
		Reagent P Diluent, Buffer Solution	No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact	:	Reagent P, Plasmin	No specific data.
		Plasmin Substrate	No specific data.
		Reagent P Diluent, Buffer Solution	No specific data.
Inhalation	:	Reagent P, Plasmin	No specific data.
		Plasmin Substrate	No specific data.
		Reagent P Diluent, Buffer Solution	No specific data.
Skin contact	:	Reagent P, Plasmin	No specific data.
		Plasmin Substrate	No specific data.
		Reagent P Diluent, Buffer Solution	No specific data.
Ingestion	:	Reagent P, Plasmin	No specific data.
		Plasmin Substrate	No specific data.
		Reagent P Diluent, Buffer Solution	No specific data.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician	:	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	:	No specific treatment.
Protection of first-aiders	:	No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media	:	In case of fire, use water spray (fog), foam or dry chemical.
Unsuitable extinguishing media	:	None known.
Specific hazards arising from the chemical	:	In a fire or if heated, a pressure increase will occur and the container may burst.
Hazardous thermal decomposition products	:	Decomposition products may include the following materials: carbon dioxide carbon monoxide
Special protective actions for fire-fighters	:	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Special protective equipment for fire-fighters	:	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	:	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
For emergency responders	:	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Section 6. Accidental release measures

Environmental precautions : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

Small spill : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill : Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

Protective measures : Put on appropriate personal protective equipment (see Section 8).

Advice on general occupational hygiene : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
Reagent P Diluent, Buffer Solution sodium azide	**ACGIH TLV (United States, 1/2021).** C: 0.29 mg/m³, (as Sodium azide) C: 0.11 ppm, (as Hydrazoic acid vapor) **OSHA PEL 1989 (United States, 3/1989).** **Absorbed through skin.** CEIL: 0.1 ppm, (as HN3) CEIL: 0.3 mg/m³, (as NaN3) **NIOSH REL (United States, 10/2020).** **Absorbed through skin.** CEIL: 0.1 ppm, (as HN3) CEIL: 0.3 mg/m³, (NAN3)

Appropriate engineering controls : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Section 8. Exposure controls/personal protection

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

Skin protection

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Body protection : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

Physical state	:	Reagent P, Plasmin	Solid.
		Plasmin Substrate	Solid.
		Reagent P Diluent, Buffer Solution	Liquid.
Color	:	Reagent P, Plasmin	White to yellowish. [Light]
		Plasmin Substrate	White.
		Reagent P Diluent, Buffer Solution	Colorless.
Odor	:	Reagent P, Plasmin	Odorless.
		Plasmin Substrate	Odorless.
		Reagent P Diluent, Buffer Solution	Odorless.
pH	:	Reagent P, Plasmin	Not applicable.
		Plasmin Substrate	Not applicable.
		Reagent P Diluent, Buffer Solution	7.5
Flash point	:	Reagent P, Plasmin	[Product does not sustain combustion.]
		Plasmin Substrate	[Product does not sustain combustion.]
		Reagent P Diluent, Buffer Solution	[Product does not sustain combustion.]
Flammability (solid, gas)	:	Reagent P, Plasmin	Not relevant/applicable due to nature of the product.
		Plasmin Substrate	Not relevant/applicable due to nature of the product.
		Reagent P Diluent, Buffer Solution	Not relevant/applicable due to nature of the product.
Relative density	:	Reagent P, Plasmin	Not available.
		Plasmin Substrate	Not available.
		Reagent P Diluent, Buffer Solution	1.03
Solubility(ies)	:		
Not available.			
Solubility in water	:	Reagent P, Plasmin	Not available.
		Plasmin Substrate	Not available.
		Reagent P Diluent, Buffer Solution	Not available.
Partition coefficient: n-octanol/water	:	Reagent P, Plasmin	Not relevant/applicable due to nature of the product.
		Plasmin Substrate	Not relevant/applicable due to nature of the product.
		Reagent P Diluent, Buffer Solution	Not relevant/applicable due to nature of the product.

Section 9. Physical and chemical properties

Auto-ignition temperature	:	Reagent P, Plasmin	Not relevant/applicable due to nature of the product.
		Plasmin Substrate	Not relevant/applicable due to nature of the product.
		Reagent P Diluent, Buffer Solution	Not available.
Viscosity	:	Reagent P, Plasmin	Not relevant/applicable due to nature of the product.
		Plasmin Substrate	Not relevant/applicable due to nature of the product.
		Reagent P Diluent, Buffer Solution	Not relevant/applicable due to nature of the product.

Aerosol product

Type of aerosol	:	Reagent P, Plasmin	Not applicable.
		Plasmin Substrate	Not applicable.
		Reagent P Diluent, Buffer Solution	Not applicable.

Section 10. Stability and reactivity

Reactivity	:	Reagent P, Plasmin	No specific test data related to reactivity available for this product or its ingredients.
		Plasmin Substrate	No specific test data related to reactivity available for this product or its ingredients.
		Reagent P Diluent, Buffer Solution	No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	:	Reagent P, Plasmin	The product is stable.
		Plasmin Substrate	The product is stable.
		Reagent P Diluent, Buffer Solution	The product is stable.
Possibility of hazardous reactions	:	Under normal conditions of storage and use, hazardous reactions will not occur.	
Conditions to avoid	:	Reagent P, Plasmin	No specific data.
		Plasmin Substrate	No specific data.
		Reagent P Diluent, Buffer Solution	No specific data.
Incompatible materials	:	Reagent P, Plasmin	No specific data.
		Plasmin Substrate	No specific data.
		Reagent P Diluent, Buffer Solution	No specific data.
Hazardous decomposition products	:	Reagent P, Plasmin	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
		Plasmin Substrate	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
		Reagent P Diluent, Buffer Solution	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Reagent P Diluent, Buffer Solution				
sodium azide	LD50 Dermal	Rabbit	20 mg/kg	-
	LD50 Dermal	Rat	50 mg/kg	-
	LD50 Oral	Rat	27 mg/kg	-

Section 11. Toxicological information

Conclusion/Summary	:	Reagent P, Plasmin	Not available.
		Plasmin Substrate	Not available.
		Reagent P Diluent, Buffer Solution	Not available.

Irritation/Corrosion

Not available.

Conclusion/Summary

Skin	:	Reagent P, Plasmin	Not available.
		Plasmin Substrate	Not available.
		Reagent P Diluent, Buffer Solution	Not available.
Eyes	:	Reagent P, Plasmin	Not available.
		Plasmin Substrate	Not available.
		Reagent P Diluent, Buffer Solution	Not available.
Respiratory	:	Reagent P, Plasmin	Not available.
		Plasmin Substrate	Not available.
		Reagent P Diluent, Buffer Solution	Not available.

Sensitization

Not available.

Conclusion/Summary

Skin	:	Reagent P, Plasmin	Not available.
		Plasmin Substrate	Not available.
		Reagent P Diluent, Buffer Solution	Not available.
Respiratory	:	Reagent P, Plasmin	Not available.
		Plasmin Substrate	Not available.
		Reagent P Diluent, Buffer Solution	Not available.

Mutagenicity

Not available.

Conclusion/Summary	:	Reagent P, Plasmin	Not available.
		Plasmin Substrate	Not available.
		Reagent P Diluent, Buffer Solution	Not available.

Carcinogenicity

Not available.

Conclusion/Summary	:	Reagent P, Plasmin	Not available.
		Plasmin Substrate	Not available.
		Reagent P Diluent, Buffer Solution	Not available.

Reproductive toxicity

Not available.

Conclusion/Summary	:	Reagent P, Plasmin	Not available.
		Plasmin Substrate	Not available.
		Reagent P Diluent, Buffer Solution	Not available.

Teratogenicity

Not available.

Conclusion/Summary	:	Reagent P, Plasmin	Not available.
		Plasmin Substrate	Not available.
		Reagent P Diluent, Buffer Solution	Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on the likely routes of exposure	:	Reagent P, Plasmin	Not available.
		Plasmin Substrate	Not available.
		Reagent P Diluent, Buffer Solution	Not available.

Section 11. Toxicological information

Potential acute health effects

Eye contact	:	Reagent P, Plasmin	No known significant effects or critical hazards.
		Plasmin Substrate	No known significant effects or critical hazards.
		Reagent P Diluent, Buffer Solution	No known significant effects or critical hazards.
Inhalation	:	Reagent P, Plasmin	No known significant effects or critical hazards.
		Plasmin Substrate	No known significant effects or critical hazards.
		Reagent P Diluent, Buffer Solution	No known significant effects or critical hazards.
Skin contact	:	Reagent P, Plasmin	No known significant effects or critical hazards.
		Plasmin Substrate	No known significant effects or critical hazards.
		Reagent P Diluent, Buffer Solution	No known significant effects or critical hazards.
Ingestion	:	Reagent P, Plasmin	No known significant effects or critical hazards.
		Plasmin Substrate	No known significant effects or critical hazards.
		Reagent P Diluent, Buffer Solution	No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact	:	Reagent P, Plasmin	No specific data.
		Plasmin Substrate	No specific data.
		Reagent P Diluent, Buffer Solution	No specific data.
Inhalation	:	Reagent P, Plasmin	No specific data.
		Plasmin Substrate	No specific data.
		Reagent P Diluent, Buffer Solution	No specific data.
Skin contact	:	Reagent P, Plasmin	No specific data.
		Plasmin Substrate	No specific data.
		Reagent P Diluent, Buffer Solution	No specific data.
Ingestion	:	Reagent P, Plasmin	No specific data.
		Plasmin Substrate	No specific data.
		Reagent P Diluent, Buffer Solution	No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects	:	Reagent P, Plasmin	Not available.
		Plasmin Substrate	Not available.
		Reagent P Diluent, Buffer Solution	Not available.
Potential delayed effects	:	Reagent P, Plasmin	Not available.
		Plasmin Substrate	Not available.
		Reagent P Diluent, Buffer Solution	Not available.

Long term exposure

Potential immediate effects	:	Reagent P, Plasmin	Not available.
		Plasmin Substrate	Not available.
		Reagent P Diluent, Buffer Solution	Not available.
Potential delayed effects	:	Reagent P, Plasmin	Not available.
		Plasmin Substrate	Not available.
		Reagent P Diluent, Buffer Solution	Not available.

Potential chronic health effects

Not available.

Conclusion/Summary	:	Not available.	Reagent P, Plasmin
		Not available.	Plasmin Substrate
		Not available.	Reagent P Diluent, Buffer Solution
General	:	No known significant effects or critical hazards.	

Section 11. Toxicological information

Carcinogenicity : No known significant effects or critical hazards.

Mutagenicity : No known significant effects or critical hazards.

Reproductive toxicity : No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/l)
Reagent P Diluent, Buffer Solution					
sodium azide	27	20	N/A	N/A	N/A

Interactive effects : Reagent P, Plasmin — Not available.
Plasmin Substrate — Not available.
Reagent P Diluent, Buffer Solution — Not available.

Other information : Reagent P, Plasmin — Not available.
Plasmin Substrate — Not available.
Reagent P Diluent, Buffer Solution — Not available.

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
Reagent P Diluent, Buffer Solution			
sodium azide	Acute EC50 9200 µg/l Marine water	Algae - Macrocystis pyrifera	96 hours
	Acute EC50 6.4 mg/l Fresh water	Crustaceans - Simocephalus serrulatus - Larvae	48 hours
	Acute EC50 4.2 mg/l Fresh water	Daphnia - Daphnia pulex - Larvae	48 hours
	Acute LC50 0.68 mg/l Fresh water	Fish - Lepomis macrochirus	96 hours
	Chronic NOEC 5600 µg/l Marine water	Algae - Macrocystis pyrifera	96 hours

Conclusion/Summary : Reagent P, Plasmin — Not available.
Plasmin Substrate — Not available.
Reagent P Diluent, Buffer Solution — Not available.

Persistence and degradability

Conclusion/Summary : Reagent P, Plasmin — Not available.
Plasmin Substrate — Not available.
Reagent P Diluent, Buffer Solution — Not available.

Bioaccumulative potential

Not available.

Mobility in soil

Soil/water partition coefficient (K_{OC}) : Reagent P, Plasmin — Not available.
Plasmin Substrate — Not available.
Reagent P Diluent, Buffer Solution — Not available.

Mobility : Reagent P, Plasmin — Not available.
Plasmin Substrate — Not available.
Reagent P Diluent, Buffer Solution — Not available.

Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Sodium azide may react with lead or copper plumbing to form highly explosive metal azides.

Section 14. Transport information

DOT Classification

UN number	Reagent P, Plasmin	Not regulated.
	Plasmin Substrate	Not regulated.
	Reagent P Diluent, Buffer Solution	Not regulated.
UN proper shipping name	Reagent P, Plasmin	-
	Plasmin Substrate	-
	Reagent P Diluent, Buffer Solution	-
Transport hazard class(es)	Reagent P, Plasmin	-
	Plasmin Substrate	-
	Reagent P Diluent, Buffer Solution	-
Packing group	Reagent P, Plasmin	-
	Plasmin Substrate	-
	Reagent P Diluent, Buffer Solution	-
Environmental hazards	Reagent P, Plasmin	No.
	Plasmin Substrate	No.
	Reagent P Diluent, Buffer Solution	No.
Additional information	Reagent P, Plasmin	-
	Plasmin Substrate	-
	Reagent P Diluent, Buffer Solution	-

TDG Classification

UN number	Reagent P, Plasmin	Not regulated.
	Plasmin Substrate	Not regulated.
	Reagent P Diluent, Buffer Solution	Not regulated.
UN proper shipping name	Reagent P, Plasmin	-
	Plasmin Substrate	-
	Reagent P Diluent, Buffer Solution	-
Transport hazard class(es)	Reagent P, Plasmin	-
	Plasmin Substrate	-
	Reagent P Diluent, Buffer Solution	-
Packing group	Reagent P, Plasmin	-
	Plasmin Substrate	-
	Reagent P Diluent, Buffer Solution	-
Environmental hazards	Reagent P, Plasmin	No.
	Plasmin Substrate	No.
	Reagent P Diluent, Buffer Solution	No.

Section 14. Transport information

Additional information	Reagent P, Plasmin	-
	Plasmin Substrate	-
	Reagent P Diluent, Buffer Solution	-

ADR/RID

UN number	Reagent P, Plasmin	Not regulated.
	Plasmin Substrate	Not regulated.
	Reagent P Diluent, Buffer Solution	Not regulated.
UN proper shipping name	Reagent P, Plasmin	-
	Plasmin Substrate	-
	Reagent P Diluent, Buffer Solution	-
Transport hazard class(es)	Reagent P, Plasmin	-
	Plasmin Substrate	-
	Reagent P Diluent, Buffer Solution	-
Packing group	Reagent P, Plasmin	-
	Plasmin Substrate	-
	Reagent P Diluent, Buffer Solution	-
Environmental hazards	Reagent P, Plasmin	No.
	Plasmin Substrate	No.
	Reagent P Diluent, Buffer Solution	No.
Additional information	Reagent P, Plasmin	-
	Plasmin Substrate	-
	Reagent P Diluent, Buffer Solution	-

IMDG

UN number	Reagent P, Plasmin	Not regulated.
	Plasmin Substrate	Not regulated.
	Reagent P Diluent, Buffer Solution	Not regulated.
UN proper shipping name	Reagent P, Plasmin	-
	Plasmin Substrate	-
	Reagent P Diluent, Buffer Solution	-
Transport hazard class(es)	Reagent P, Plasmin	-
	Plasmin Substrate	-
	Reagent P Diluent, Buffer Solution	-
Packing group	Reagent P, Plasmin	-
	Plasmin Substrate	-
	Reagent P Diluent, Buffer Solution	-
Environmental hazards	Reagent P, Plasmin	No.
	Plasmin Substrate	No.
	Reagent P Diluent, Buffer Solution	No.
Additional information	Reagent P, Plasmin	-
	Plasmin Substrate	-
	Reagent P Diluent, Buffer Solution	-

IATA

UN number	Reagent P, Plasmin	Not regulated.
	Plasmin Substrate	Not regulated.
	Reagent P Diluent, Buffer Solution	Not regulated.

Section 14. Transport information

UN proper shipping name	Reagent P, Plasmin	-
	Plasmin Substrate	-
	Reagent P Diluent, Buffer Solution	-
Transport hazard class(es)	Reagent P, Plasmin	-
	Plasmin Substrate	-
	Reagent P Diluent, Buffer Solution	-
Packing group	Reagent P, Plasmin	-
	Plasmin Substrate	-
	Reagent P Diluent, Buffer Solution	-
Environmental hazards	Reagent P, Plasmin	No.
	Plasmin Substrate	No.
	Reagent P Diluent, Buffer Solution	No.
Additional information	Reagent P, Plasmin	-
	Plasmin Substrate	-
	Reagent P Diluent, Buffer Solution	-

Special precautions for user :	Reagent P, Plasmin	**Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.
	Plasmin Substrate	**Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.
	Reagent P Diluent, Buffer Solution	**Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to IMO instruments : Not applicable.

Section 15. Regulatory information

U.S. Federal regulations :
TSCA 4(a) proposed test rules: glycine
TSCA 4(a) final test rules: p-nitroaniline
TSCA 8(a) PAIR: p-nitroaniline
TSCA 8(a) CDR Exempt/Partial exemption: Not determined

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs) : Not listed

Clean Air Act Section 602 Class I Substances : Not listed

Clean Air Act Section 602 Class II Substances : Not listed

DEA List I Chemicals (Precursor Chemicals) : Not listed

Section 15. Regulatory information

DEA List II Chemicals (Essential Chemicals) : Not listed

SARA 302/304

Composition/information on ingredients

Name	%	EHS	SARA 302 TPQ		SARA 304 RQ	
			(lbs)	(gallons)	(lbs)	(gallons)
Reagent P Diluent, Buffer Solution sodium azide	0.0972	Yes.	500	-	1000	-

SARA 304 RQ : 2469135.8 lbs / 1120987.7 kg

SARA 311/312

Classification : Not applicable.

Composition/information on ingredients

Name	%	Classification
Reagent P Diluent, Buffer Solution sodium azide	≤0.1	ACUTE TOXICITY (oral) - Category 2 ACUTE TOXICITY (dermal) - Category 1

State regulations

Massachusetts : The following components are listed: GLYCERINE MIST

New York : None of the components are listed.

New Jersey : The following components are listed: GLYCERIN

Pennsylvania : The following components are listed: 1,2,3-PROPANETRIOL

California Prop. 65

This product does not require a Safe Harbor warning under California Prop. 65.

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Section 16. Other information

History

Date of issue/Date of revision : 3/19/2024

Version : 1

Key to abbreviations : ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
UN = United Nations N/A = Not available SGG = Segregation Group

Indicates information that has changed from previously issued version.