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

SAFETY DATA SHEET

Berichrom® Plasminogen

Section 1. Identification

Product identifier : Berichrom® Plasminogen

Product code : OUCA17, 10873885; OUCA195J, 10465711

Product type : Solid.

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 : 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.

Streptokinase Reagent — This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture : **Streptokinase Reagent**

ACUTE TOXICITY (oral)	Category 4
ACUTE TOXICITY (dermal)	Category 3
RESPIRATORY SENSITIZATION	Category 1

Additional information : Not available.

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

GHS label elements

Hazard pictograms :

Signal word : Plasmin Substrate — No signal word.
Streptokinase Reagent — Danger

Hazard statements : Plasmin Substrate — No known significant effects or critical hazards.

Streptokinase Reagent — H302 - Harmful if swallowed.
H311 - Toxic in contact with skin.
H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Precautionary statements

Section 2. Hazards identification

Prevention	:	Plasmin Substrate	Not applicable.
		Streptokinase Reagent	P280 - Wear protective gloves and protective clothing. P284 - Wear respiratory protection. P261 - Avoid breathing dust. P270 - Do not eat, drink or smoke when using this product. P264 - Wash thoroughly after handling.
Response	:	Plasmin Substrate	Not applicable.
		Streptokinase Reagent	P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P342 + P311 - If experiencing respiratory symptoms: Call a POISON CENTER or doctor. P301 + P312, P330 - IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell. Rinse mouth. P361 + P364 - Take off immediately all contaminated clothing and wash it before reuse. P302 + P312, P352 - IF ON SKIN: Call a POISON CENTER or doctor if you feel unwell. Wash with plenty of soap and water.
Storage	:	Plasmin Substrate	Not applicable.
		Streptokinase Reagent	P405 - Store locked up.
Disposal	:	Plasmin Substrate	Not applicable.
		Streptokinase Reagent	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
Supplemental label elements	:	Plasmin Substrate	None known.
		Streptokinase Reagent	None known.
Hazards not otherwise classified	:	Plasmin Substrate	None known.
		Streptokinase Reagent	None known.

Section 3. Composition/information on ingredients

Substance/mixture	:	Plasmin Substrate	Mixture
		Streptokinase Reagent	Mixture

Ingredient name	%	CAS number
Streptokinase Reagent		
sodium azide	<9	26628-22-8
Kinase (enzyme-activating), strepto-	≤0.3	9002-01-1

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	:	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.
		Streptokinase Reagent	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at

Section 4. First aid measures

			least 10 minutes. Get medical attention.
Inhalation	:	Plasmin Substrate	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
		Streptokinase Reagent	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. In the event of any complaints or symptoms, avoid further exposure.
Skin contact	:	Plasmin Substrate	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
		Streptokinase Reagent	Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. If necessary, call a poison center or physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Ingestion	:	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.
		Streptokinase Reagent	Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. If necessary, call a poison center or physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Section 4. First aid measures

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact	:	Plasmin Substrate	No known significant effects or critical hazards.
		Streptokinase Reagent	No known significant effects or critical hazards.
Inhalation	:	Plasmin Substrate	No known significant effects or critical hazards.
		Streptokinase Reagent	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Skin contact	:	Plasmin Substrate	No known significant effects or critical hazards.
		Streptokinase Reagent	Toxic in contact with skin.
Ingestion	:	Plasmin Substrate	No known significant effects or critical hazards.
		Streptokinase Reagent	Harmful if swallowed.

Over-exposure signs/symptoms

Eye contact	:	Plasmin Substrate	No specific data.
		Streptokinase Reagent	No specific data.
Inhalation	:	Plasmin Substrate	No specific data.
		Streptokinase Reagent	Adverse symptoms may include the following: wheezing and breathing difficulties asthma
Skin contact	:	Plasmin Substrate	No specific data.
		Streptokinase Reagent	No specific data.
Ingestion	:	Plasmin Substrate	No specific data.
		Streptokinase Reagent	No specific data.

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

Notes to physician	:	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Specific treatments	:	No specific treatment.
Protection of first-aiders	:	No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

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	:	No specific fire or explosion hazard.
Hazardous thermal decomposition products	:	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides phosphorus oxides metal oxide/oxides

Section 5. Fire-fighting measures

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. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. 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".

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 : Move containers from spill area. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

Large spill : Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. 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). Persons with a history of asthma, allergies or chronic or recurrent respiratory disease should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

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. Store locked up. 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
Streptokinase Reagent 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 : Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

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

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. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

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	:	Plasmin Substrate	Solid.
		Streptokinase Reagent	Solid.
Color	:	Plasmin Substrate	White.
		Streptokinase Reagent	White to light yellow.
Odor	:	Plasmin Substrate	Odorless.
		Streptokinase Reagent	Odorless.
pH	:	Plasmin Substrate	Not applicable.
		Streptokinase Reagent	Not applicable.
Flash point	:	Plasmin Substrate	[Product does not sustain combustion.]
		Streptokinase Reagent	[Product does not sustain combustion.]
Flammability (solid, gas)	:	Plasmin Substrate	Not relevant/applicable due to nature of the product.
		Streptokinase Reagent	Not relevant/applicable due to nature of the product.
Relative density	:	Plasmin Substrate	Not available.
		Streptokinase Reagent	Not available.
Solubility(ies)	:		
Not available.			
Solubility in water	:	Plasmin Substrate	Not available.
		Streptokinase Reagent	Not available.
Partition coefficient: n-octanol/water	:	Plasmin Substrate	Not relevant/applicable due to nature of the product.
		Streptokinase Reagent	Not relevant/applicable due to nature of the product.
Auto-ignition temperature	:	Plasmin Substrate	Not relevant/applicable due to nature of the product.
		Streptokinase Reagent	Not relevant/applicable due to nature of the product.
Viscosity	:	Plasmin Substrate	Not relevant/applicable due to nature of the product.
		Streptokinase Reagent	Not relevant/applicable due to nature of the product.
Aerosol product			
Type of aerosol	:	Plasmin Substrate	Not applicable.
		Streptokinase Reagent	Not applicable.

Section 10. Stability and reactivity

Reactivity	:	Plasmin Substrate	No specific test data related to reactivity available for this product or its ingredients.
		Streptokinase Reagent	No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	:	Plasmin Substrate	The product is stable.
		Streptokinase Reagent	The product is stable.
Possibility of hazardous reactions	:	Under normal conditions of storage and use, hazardous reactions will not occur.	
Conditions to avoid	:	Plasmin Substrate	No specific data.
		Streptokinase Reagent	No specific data.
Incompatible materials	:	Plasmin Substrate	No specific data.
		Streptokinase Reagent	No specific data.

Section 10. Stability and reactivity

Hazardous decomposition products : Plasmin Substrate — Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Streptokinase Reagent — 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
Streptokinase Reagent				
sodium azide	LD50 Dermal	Rabbit	20 mg/kg	-
	LD50 Dermal	Rat	50 mg/kg	-
	LD50 Oral	Rat	27 mg/kg	-

Conclusion/Summary : Plasmin Substrate — Not available.
Streptokinase Reagent — Not available.

Irritation/Corrosion

Not available.

Conclusion/Summary

Skin : Plasmin Substrate — Not available.
Streptokinase Reagent — Not available.

Eyes : Plasmin Substrate — Not available.
Streptokinase Reagent — Not available.

Respiratory : Plasmin Substrate — Not available.
Streptokinase Reagent — Not available.

Sensitization

Not available.

Conclusion/Summary

Skin : Plasmin Substrate — Not available.
Streptokinase Reagent — Not available.

Respiratory : Plasmin Substrate — Not available.
Streptokinase Reagent — Not available.

Mutagenicity

Not available.

Conclusion/Summary : Plasmin Substrate — Not available.
Streptokinase Reagent — Not available.

Carcinogenicity

Not available.

Conclusion/Summary : Plasmin Substrate — Not available.
Streptokinase Reagent — Not available.

Reproductive toxicity

Not available.

Conclusion/Summary : Plasmin Substrate — Not available.
Streptokinase Reagent — Not available.

Teratogenicity

Not available.

Conclusion/Summary : Plasmin Substrate — Not available.
Streptokinase Reagent — Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Section 11. Toxicological information

Aspiration hazard

Not available.

Information on the likely routes of exposure	:	Plasmin Substrate	Not available.
		Streptokinase Reagent	Not available.

Potential acute health effects

Eye contact	:	Plasmin Substrate	No known significant effects or critical hazards.
		Streptokinase Reagent	No known significant effects or critical hazards.
Inhalation	:	Plasmin Substrate	No known significant effects or critical hazards.
		Streptokinase Reagent	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Skin contact	:	Plasmin Substrate	No known significant effects or critical hazards.
		Streptokinase Reagent	Toxic in contact with skin.
Ingestion	:	Plasmin Substrate	No known significant effects or critical hazards.
		Streptokinase Reagent	Harmful if swallowed.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact	:	Plasmin Substrate	No specific data.
		Streptokinase Reagent	No specific data.
Inhalation	:	Plasmin Substrate	No specific data.
		Streptokinase Reagent	Adverse symptoms may include the following: wheezing and breathing difficulties asthma
Skin contact	:	Plasmin Substrate	No specific data.
		Streptokinase Reagent	No specific data.
Ingestion	:	Plasmin Substrate	No specific data.
		Streptokinase Reagent	No specific data.

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

Short term exposure

Potential immediate effects	:	Plasmin Substrate	Not available.
		Streptokinase Reagent	Not available.
Potential delayed effects	:	Plasmin Substrate	Not available.
		Streptokinase Reagent	Not available.

Long term exposure

Potential immediate effects	:	Plasmin Substrate	Not available.
		Streptokinase Reagent	Not available.
Potential delayed effects	:	Plasmin Substrate	Not available.
		Streptokinase Reagent	Not available.

Potential chronic health effects

Not available.

Conclusion/Summary	:	Not available.	Plasmin Substrate
		Not available.	Streptokinase Reagent
General	:	Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.	
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

Section 11. Toxicological information

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/l)
Streptokinase Reagent					
Streptokinase Reagent	505.6	374.5	N/A	N/A	N/A
sodium azide	27	20	N/A	N/A	N/A

Interactive effects : Plasmin Substrate — Not available.
Streptokinase Reagent — Not available.

Other information : Plasmin Substrate — Not available.
Streptokinase Reagent — Not available.

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
Streptokinase Reagent			
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 : Plasmin Substrate — Not available.
Streptokinase Reagent — Not available.

Persistence and degradability

Conclusion/Summary : Plasmin Substrate — Not available.
Streptokinase Reagent — Not available.

Bioaccumulative potential

Not available.

Mobility in soil

Soil/water partition coefficient (K_{OC}) : Plasmin Substrate — Not available.
Streptokinase Reagent — Not available.

Mobility : Plasmin Substrate — Not available.
Streptokinase Reagent — 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. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. 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.

United States - RCRA Acute hazardous waste "P" List

Section 13. Disposal considerations

Ingredient	CAS #	Status	Reference number
Streptokinase Reagent			
Sodium azide	26628-22-8	Listed	P105

Section 14. Transport information

DOT Classification

UN number	Plasmin Substrate	Not regulated.
	Streptokinase Reagent	UN3288
UN proper shipping name	Plasmin Substrate	-
	Streptokinase Reagent	TOXIC SOLID, INORGANIC, N.O.S. (sodium azide)
Transport hazard class(es)	Plasmin Substrate	-
	Streptokinase Reagent	6.1

Packing group	Plasmin Substrate	-
	Streptokinase Reagent	III
Environmental hazards	Plasmin Substrate	No.
	Streptokinase Reagent	No.
Additional information	Plasmin Substrate	-
	Streptokinase Reagent	-

TDG Classification

UN number	Plasmin Substrate	Not regulated.
	Streptokinase Reagent	UN3288
UN proper shipping name	Plasmin Substrate	-
	Streptokinase Reagent	TOXIC SOLID, INORGANIC, N.O.S. (sodium azide)
Transport hazard class(es)	Plasmin Substrate	-
	Streptokinase Reagent	6.1

Packing group	Plasmin Substrate	-
	Streptokinase Reagent	III
Environmental hazards	Plasmin Substrate	No.
	Streptokinase Reagent	No.
Additional information	Plasmin Substrate	-
	Streptokinase Reagent	Product classified as per the following sections of the Transportation of Dangerous Goods Regulations: 2.26-2.36 (Class 6).

ADR/RID

UN number	Plasmin Substrate	Not regulated.
	Streptokinase Reagent	UN3288
UN proper shipping name	Plasmin Substrate	-
	Streptokinase Reagent	TOXIC SOLID, INORGANIC, N.O.S. (sodium azide)

Section 14. Transport information

Transport hazard class(es)	Plasmin Substrate Streptokinase Reagent	- 6.1

Packing group	Plasmin Substrate Streptokinase Reagent	- III
Environmental hazards	Plasmin Substrate Streptokinase Reagent	No. No.
Additional information	Plasmin Substrate Streptokinase Reagent	- **Tunnel code** (E)

IMDG

UN number	Plasmin Substrate Streptokinase Reagent	Not regulated. UN3288
UN proper shipping name	Plasmin Substrate Streptokinase Reagent	- TOXIC SOLID, INORGANIC, N.O.S. (sodium azide)
Transport hazard class(es)	Plasmin Substrate Streptokinase Reagent	- 6.1

Packing group	Plasmin Substrate Streptokinase Reagent	- III
Environmental hazards	Plasmin Substrate Streptokinase Reagent	No. No.
Additional information	Plasmin Substrate Streptokinase Reagent	- -

IATA

UN number	Plasmin Substrate Streptokinase Reagent	Not regulated. UN3288
UN proper shipping name	Plasmin Substrate Streptokinase Reagent	- TOXIC SOLID, INORGANIC, N.O.S. (sodium azide)
Transport hazard class(es)	Plasmin Substrate Streptokinase Reagent	- 6.1

Packing group	Plasmin Substrate Streptokinase Reagent	- III
Environmental hazards	Plasmin Substrate Streptokinase Reagent	No. No.
Additional information	Plasmin Substrate Streptokinase Reagent	- -

Section 14. Transport information

Special precautions for user : 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.

Streptokinase Reagent

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) 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

DEA List II Chemicals (Essential Chemicals) : Not listed

SARA 302/304

Composition/information on ingredients

Name	%	EHS	SARA 302 TPQ (lbs)	SARA 302 TPQ (gallons)	SARA 304 RQ (lbs)	SARA 304 RQ (gallons)
Streptokinase Reagent sodium azide	5.34	Yes.	500	-	1000	-

SARA 304 RQ : 26217.2 lbs / 11902.6 kg

SARA 311/312

Classification : ACUTE TOXICITY (oral) - Category 4
ACUTE TOXICITY (dermal) - Category 3
RESPIRATORY SENSITIZATION - Category 1

Composition/information on ingredients

Name	%	Classification
Streptokinase Reagent		
sodium azide	<9	ACUTE TOXICITY (oral) - Category 2 ACUTE TOXICITY (dermal) - Category 1
Kinase (enzyme-activating), strepto-	≤0.3	RESPIRATORY SENSITIZATION - Category 1

SARA 313

Section 15. Regulatory information

	Product name	CAS number	%
Form R - Reporting requirements	**Streptokinase Reagent** sodium azide	26628-22-8	5.34
Supplier notification	**Streptokinase Reagent** sodium azide	26628-22-8	5.34

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

State regulations

Massachusetts : The following components are listed: SODIUM AZIDE

New York : The following components are listed: Sodium azide

New Jersey : The following components are listed: SODIUM AZIDE

Pennsylvania : The following components are listed: SODIUM AZIDE

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.