SAFETY DATA SHEET

SIEMENS : Healthineers :

Berichrom® Plasminogen

SDS no.: mrhm0241

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name : Berichrom® Plasminogen
Product code : OUCA17, 10446431

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

Identified usesPlasmin SubstrateDiagnostic agents.

Streptokinase Reagent Diagnostic agents.

Restrictions on use For professional users only.

Supplier: Siemens Healthcare Diagnostics Limited

Park View, Watchmoor Park, Camberley, Surrey, GU15 3YL United Kingdom

Phone: +44 (0) 345 600 1955

e-mail address of person responsible for this SDS

: dx.msds.healthcare@siemens-healthineers.com

1.4 Emergency telephone number

CHEMTREC: +44 20 3807 3798

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition: Plasmin SubstrateMixtureStreptokinase ReagentMixture

Classification according to UK CLP/GHS

Streptokinase Reagent

Acute Tox. 4, H302 Acute Tox. 3, H311 Aquatic Chronic 2, H411

The product is classified as hazardous according to UK CLP Regulation SI 2019/720 as amended.

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

Hazard pictograms :





Signal word : Plasmin Substrate No signal word.

Streptokinase Reagent Danger

SECTION 2: Hazards identification

Hazard statements : Plasmin Substrate No known significant effects or critical

Streptokinase Reagent H302 - Harmful if swallowed.

H311 - Toxic in contact with skin. H411 - Toxic to aquatic life with long

lasting effects.

Precautionary statements

Prevention : Plasmin Substrate Not applicable.

> Streptokinase Reagent P264 - Wash hands thoroughly after

> > handling.

P280 - Wear protective gloves/protective clothing/eye protection/face protection. P273 - Avoid release to the environment.

Response : Plasmin Substrate Not applicable.

Streptokinase Reagent P391 - Collect spillage.

P312 - Call a POISON CENTER or doctor/physician if you feel unwell. P361 + P364 - Take off immediately all contaminated clothing and wash it

before reuse.

Storage : Plasmin Substrate Not applicable.

Streptokinase Reagent Not applicable. : Plasmin Substrate Not applicable.

P501 - Dispose of contents and Streptokinase Reagent

> container in accordance with all local. regional, and national regulations.

: Plasmin Substrate Not applicable. Supplemental label elements

Contains Kinase (enzyme-activating), Streptokinase Reagent

strepto-. May produce an allergic

reaction.

Annex XVII - Restrictions on the manufacture. placing on the market and use of certain dangerous substances, mixtures and articles

: Plasmin Substrate Streptokinase Reagent Not applicable. Not applicable.

2.3 Other hazards

Disposal

Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

: Plasmin Substrate This mixture does not contain any

substances that are assessed to be a

PBT or a vPvB.

Streptokinase Reagent This mixture does not contain any

substances that are assessed to be a

PBT or a vPvB.

Other hazards which do not result in classification : Plasmin Substrate None known.

Streptokinase Reagent None known.

Additional information : Not available.

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

azides.

SECTION 3: Composition/information on ingredients

3.1 Substances : Plasmin Substrate Mixture Streptokinase Reagent Mixture

Product/ingredient name	Identifiers	%	Classification	Туре
Streptokinase Reagent				
sodium azide	EC: 247-852-1 CAS: 26628-22-8 Index: 011-004-00-7	<9	Acute Tox. 2, H300 Acute Tox. 1, H310 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1) EUH032	[1] [2]
Kinase (enzyme-activating), strepto-	EC: 232-647-1 CAS: 9002-01-1	≤0.3	Resp. Sens. 1, H334	[1]
			See Section 16 for the full text of the H statements declared above.	

Type

- [1] Substance classified with a health or environmental hazard
- [2] Substance with a workplace exposure limit

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

SECTION 4: First aid measures

4.1 Description of first aid measures

Eye contact: Plasmin Substrate Immediately flush eyes with plenty of

Streptokinase Reagent

Inhalation : Plasmin Substrate

Streptokinase Reagent

water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs. 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 least 10 minutes. Get medical

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

attention.

Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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 mouthto-mouth resuscitation. Get medical attention. 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.

SECTION 4: First aid measures

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.

Wash out mouth with water. If material : Plasmin Substrate Ingestion

> 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.

Wash out mouth with water. Remove Streptokinase Reagent

> 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.

Protection of first-aiders : Plasmin Substrate No action shall be taken involving any

Streptokinase Reagent

personal risk or without suitable training. No action shall be taken involving any personal risk or without suitable training. 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.

4.2 Most important symptoms and effects, both acute and delayed

Over-exposure signs/symptoms

Inhalation

No specific data. Eye contact : Plasmin Substrate

No specific data. Streptokinase Reagent : Plasmin Substrate No specific data. No specific data.

: Plasmin Substrate Skin contact No specific data.

Streptokinase Reagent

Streptokinase Reagent No specific data. : Plasmin Substrate No specific data.

Ingestion Streptokinase Reagent No specific data.

4.3 Indication of any immediate medical attention and special treatment needed

SECTION 4: First aid measures

Notes to physician : Plasmin Substrate Treat symptomatically. Contact poison

quantities have been ingested or inhaled. 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

treatment specialist immediately if large

48 hours.

Specific treatments : Plasmin Substrate

Streptokinase Reagent Plasmin Substrate

Streptokinase Reagent

No specific treatment.

Not available.

Not available.

No specific treatment.

Streptokinase Reagent

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

: Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing

: None known.

media

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture

: This material is toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

Hazardous combustion products

: Decomposition products may include the following materials:

carbon dioxide carbon monoxide nitrogen oxides phosphorus oxides metal oxide/oxides

5.3 Advice for firefighters

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

SECTION 6: Accidental release measures

6.1 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 spilt material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate

personal protective equipment.

For emergency responders : If specialised 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".

6.2 Environmental precautions

: Avoid dispersal of spilt 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). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.

6.3 Methods and material for containment and cleaning up

SECTION 6: Accidental release measures

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 the 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.

6.4 Reference to other

sections

: See Section 1 for emergency contact information. See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures

: Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not ingest. Avoid release to the environment. 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.

7.2 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 unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Seveso Directive - Reporting thresholds

Danger criteria

Category	Notification and MAPP threshold	Safety report threshold
Streptokinase Reagent E2	200 tonne	500 tonne

7.3 Specific end use(s)

Recommendations : Not available.

Industrial sector specific : Not available.

solutions

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

Product/ingredient name	Exposure limit values
Streptokinase Reagent sodium azide	EH40/2005 WELs (United Kingdom (UK), 1/2020). Absorbed through skin. STEL: 0.3 mg/m³, (as NaN3) 15 minutes. TWA: 0.1 mg/m³, (as NaN3) 8 hours.

SECTION 8: Exposure controls/personal protection

Recommended monitoring procedures

: If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

DNELs/DMELs

Product/ingredient name	Туре	Exposure	Value	Population	Effects
Streptokinase Reagent					
sodium azide	DNEL	Long term Oral	16.7 µg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	16.7 µg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	29 μg/m³	General population	Systemic
	DNEL	Long term Dermal	46.7 µg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	0.164 mg/ m ³	Workers	Systemic

PNECs

No PNECs available

8.2 Exposure controls

Appropriate engineering controls

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

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 8: Exposure controls/personal protection

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.

SECTION 9: Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

9.1 Information on basic physical and chemical properties

Appearance

Physical state : Plasmin Substrate Solid.

Streptokinase Reagent Solid.

Colour: Plasmin Substrate White.

Streptokinase Reagent White to light yellow.

Odour : Plasmin Substrate Odourless.

Streptokinase Reagent Odourless.

: Not relevant/applicable due to nature of the product.

Odour threshold : Not relevant/applicable due to nature of the product.

Melting point/freezing point : Not relevant/applicable due to nature of the product.

Softening point : Not relevant/applicable due to nature of the product.

Sublimation temperature : Not relevant/applicable due to nature of the product.

Initial boiling point and: Plasmin SubstrateNot available.boiling rangeStreptokinase ReagentNot available.

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.

Upper/lower flammability or

explosive limits

: Plasmin Substrate Not applicable. Streptokinase Reagent Not applicable.

Flash point : Plasmin Substrate [Product does not sustain combustion.]

Streptokinase Reagent [Product does not sustain combustion.]

Decomposition temperature: Not relevant/applicable due to nature of the product.

pH : Plasmin Substrate Not applicable.

Streptokinase Reagent

Not applicable.

Plasmin Substrate
Streptokinase Reagent

Not applicable.

Not applicable.

Solubility(ies) :

Not available.

Viscosity

Solubility in water : Not relevant/applicable due to nature of the product.

Miscible with water : Not relevant/applicable due to nature of the product.

Partition coefficient: n-octanol/ : Not relevant/applicable due to nature of the product.

water

Vapour pressure : Not available.

Evaporation rate : Not relevant/applicable due to nature of the product.

Density : Plasmin Substrate Not available. Streptokinase Reagent Not available.

Vapour density: Plasmin SubstrateNot applicable.Streptokinase ReagentNot applicable.

following materials or conditions: open flames, sparks and static discharge

and oxidising materials.

Streptokinase Reagent Not available.

SECTION 9: Physical and chemical properties

Oxidising properties : Plasmin Substrate Not available.

Streptokinase Reagent Not available.

Particle characteristics

Median particle size : Not available.

9.2 Other information

Fire point : Plasmin Substrate Not available.

Streptokinase Reagent Not available.

Burning time : Not relevant/applicable due to nature of the product.

Fundamental burning velocity : Not relevant/applicable due to nature of the product.

Burning rate : Not relevant/applicable due to nature of the product.

SADT : Not relevant/applicable due to nature of the product.

SAPT : Not relevant/applicable due to nature of the product.

Heat of reaction : Not relevant/applicable due to nature of the product.

Heat of combustion : Not relevant/applicable due to nature of the product.

Flow time (ISO 2431) : Not relevant/applicable due to nature of the product.

Molecular weight : Not relevant/applicable due to nature of the product.

SECTION 10: Stability and reactivity

10.1 Reactivity : No specific test data related to reactivity available for this product or its ingredients.

10.2 Chemical stability : The product is stable.

10.3 Possibility of hazardous reactions

: Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid : No specific data.

10.5 Incompatible materials : No specific data.

10.6 Hazardous decomposition products

: Under normal conditions of storage and use, hazardous decomposition products

should not be produced.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Streptokinase Reagent				
sodium azide	LD50 Dermal LD50 Dermal LD50 Oral	Rat	20 mg/kg 50 mg/kg 27 mg/kg	- -

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

Acute toxicity estimates

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

SECTION 11: Toxicological information

Irritation/Corrosion

Conclusion/Summary

: Plasmin Substrate Not available. Skin

> Not available. Streptokinase Reagent

Not available. **Eves** : Plasmin Substrate

Streptokinase Reagent Not available.

Respiratory Plasmin Substrate Not available. Not available.

Streptokinase Reagent

Sensitisation

Conclusion/Summary

Skin Plasmin Substrate Not available.

> Streptokinase Reagent Not available.

Respiratory : Plasmin Substrate Not available.

Streptokinase Reagent Not available.

Mutagenicity

Conclusion/Summary : Plasmin Substrate Not available.

> Streptokinase Reagent Not available.

Carcinogenicity

: Plasmin Substrate Not available. Conclusion/Summary

> Streptokinase Reagent Not available.

Reproductive toxicity

Not available. Conclusion/Summary : Plasmin Substrate

> Streptokinase Reagent Not available.

Teratogenicity

Not available. Conclusion/Summary : Plasmin Substrate

Streptokinase Reagent Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on likely routes

of exposure

: Plasmin Substrate

Not available. Not available. Streptokinase Reagent

Potential acute health effects

: Plasmin Substrate Eye contact 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

Streptokinase Reagent No known significant effects or critical

hazards.

Skin contact : Plasmin Substrate No known significant effects or critical

hazards.

Streptokinase Reagent Toxic in contact with skin.

: Plasmin Substrate No known significant effects or critical Ingestion

hazards.

Streptokinase Reagent Harmful if swallowed.

Symptoms related to the physical, chemical and toxicological characteristics

SECTION 11: Toxicological information

Eye contact: Plasmin Substrate No specific data.

Streptokinase Reagent No specific data.

Inhalation : Plasmin Substrate No specific data.

Streptokinase Reagent No specific data.

Skin contact: Plasmin SubstrateNo specific data.Streptokinase ReagentNo specific data.

: Plasmin Substrate No specific data.

Streptokinase Reagent No specific data.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Short term exposure

Ingestion

Potential immediate: Plasmin SubstrateNot available.effectsStreptokinase ReagentNot available.

Potential delayed effects : Plasmin Substrate Not available.

Streptokinase Reagent Not available.

Long term exposure

Potential immediate : Plasmin Substrate Not available.

effectsStreptokinase ReagentNot available.Potential delayed effects: Plasmin SubstrateNot available.

Streptokinase Reagent Not available.

Potential chronic health effects

Not available.

Conclusion/Summary : Plasmin Substrate Not available.

Streptokinase Reagent Not available.

General : Plasmin Substrate No known significant effects or critical

hazards.

Streptokinase Reagent No known significant effects or critical

hazards.

Carcinogenicity : Plasmin Substrate No known significant effects or critical

hazards.

Streptokinase Reagent No known significant effects or critical

hazards.

Mutagenicity: Plasmin Substrate No known significant effects or critical

hazards.

Streptokinase Reagent No known significant effects or critical

hazards.

Reproductive toxicity: Plasmin Substrate

No known significant effects or critical

hazards.

Streptokinase Reagent No known significant effects or critical

hazards.

Interactive effects : Plasmin Substrate Not available.

Streptokinase Reagent Not available.

Toxicokinetics

Metabolism

Absorption : Plasmin Substrate Not available.

Streptokinase Reagent Not available.

Distribution : Plasmin Substrate Not available.

Streptokinase Reagent Not available.

: Plasmin Substrate Not available.

Streptokinase Reagent Not available.

Elimination : Plasmin Substrate Not available. Streptokinase Reagent Not available.

 Other information
 : Plasmin Substrate
 Not available.

Streptokinase Reagent Not available.

SECTION 12: Ecological information

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
Streptokinase Reagent			
sodium azide	Acute EC50 9200 μg/l Marine water	Algae - Giant kelp - Macrocystis pyrifera	96 hours
	Acute EC50 6.4 mg/l Fresh water	Crustaceans - Water flea - Simocephalus serrulatus - Larvae	48 hours
	Acute EC50 4.2 mg/l Fresh water	Daphnia - Water flea - Daphnia pulex - Larvae	48 hours
	Acute LC50 0.68 mg/l Fresh water	Fish - Bluegill - Lepomis	96 hours
	Chronic NOEC 5600 µg/l Marine water	Algae - Giant kelp - Macrocystis pyrifera	96 hours

Conclusion/Summary

: Plasmin Substrate Streptokinase Reagent Not available.

12.2 Persistence and degradability

Conclusion/Summary

: Plasmin Substrate Streptokinase Reagent Not available. Not available.

12.3 Bioaccumulative potential

Not available.

12.4 Mobility in soil

Soil/water partition coefficient (Koc)
Mobility

: Plasmin Substrate Streptokinase Reagent: Plasmin Substrate

Streptokinase Reagent

Not available. Not available.

Not available. Not available.

12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

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

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Methods of disposal

: The generation of waste should be avoided or minimised 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.

Hazardous waste : The classification of the product may meet the criteria for a hazardous waste.

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

azides.

Packaging

Methods of disposal

: The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered

when recycling is not feasible.

SECTION 13: Disposal considerations

Special precautions

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 spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

ADR/RID

14.1 UN number Plasmin Substrate Not regulated.

Streptokinase Reagent UN3288

14.2 UN proper
shipping namePlasmin Substrate
Streptokinase Reagent-TOXIC SOLID, INORGANIC, N.O.S. (sodium)

azide)

14.3 Transport Plasmin Substrate -

hazard class(es) Streptokinase Reagent 6.1

14.4 Packing
groupPlasmin Substrate
Streptokinase Reagent-14.5Plasmin SubstrateNo.

Environmental Streptokinase Reagent No.

Additional Plasmin Substrate -

information Streptokinase Reagent <u>Tunnel code</u> (E)

<u>ADN</u>

hazards

14.1 UN number Plasmin Substrate Not regulated.

Streptokinase Reagent UN3288

14.2 UN properPlasmin Substrate-shipping nameStreptokinase ReagentTOXIC SOLID, INORGANIC, N.O.S. (sodium

azide)

14.3 TransportPlasmin Substrate-hazard class(es)Streptokinase Reagent6.1

14.4 PackingPlasmin Substrate-groupStreptokinase ReagentIII

14.5Plasmin SubstrateNo.EnvironmentalStreptokinase ReagentNo.

Additional Plasmin Substrate - information Streptokinase Reagent -

Plasmin Substrate

<u>IMDG</u>

hazards

14.2 UN proper

14.1 UN numberPlasmin SubstrateNot regulated.Streptokinase ReagentUN3288

Streptokinase Reagent 0103200

shipping name Streptokinase Reagent TOXIC SOLID, INORGANIC, N.O.S. (sodium

azide)

SECTION 14: Transport information

14.3 Transport hazard class(es)

Plasmin Substrate Streptokinase Reagent

6.1

14.4 Packing group

Environmental

Plasmin Substrate Streptokinase Reagent

Plasmin Substrate Streptokinase Reagent Ш No. No.

Additional information

hazards

Plasmin Substrate Streptokinase Reagent

IATA

14.1 UN number

Plasmin Substrate Streptokinase Reagent Not regulated. UN3288

14.2 UN proper shipping name

Plasmin Substrate Streptokinase Reagent

TOXIC SOLID, INORGANIC, N.O.S. (sodium

azide)

14.3 Transport hazard class(es) Plasmin Substrate Streptokinase Reagent

6.1



14.4 Packing group

14.5

Plasmin Substrate Streptokinase Reagent

Plasmin Substrate Streptokinase Reagent Ш

No. No.

hazards Additional

Environmental

Plasmin Substrate Streptokinase Reagent information

14.6 Special precautions for : Plasmin Substrate

user

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 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.

14.7 Transport in bulk according to IMO instruments

: Not applicable.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture UK (GB) /REACH

Annex XIV - List of substances subject to authorisation

Annex XIV

None of the components are listed.

Substances of very high concern

None of the components are listed.

Ozone depleting substances

Not listed.

Prior Informed Consent (PIC)

Not listed.

Persistent Organic Pollutants

Not listed.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles : Plasmin Substrate Streptokinase Reagent Not applicable. Not applicable.

Seveso Directive

This product is controlled under the Seveso Directive.

Danger criteria

Category

Streptokinase Reagent

E2

National regulations

EU regulations

Industrial emissions (integrated pollution prevention and control) - : Plasmin Substrate Streptokinase Reagent Not listed Not listed

Not list

Air

Industrial emissions (integrated pollution prevention and control) - : Plasmin Substrate Streptokinase Reagent Not listed Not listed

International regulations

Montreal Protocol

Not listed.

Water

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

15.2 Chemical safety

assessment

: Not applicable.

SECTION 16: Other information

Indicates information that has changed from previously issued version.

Abbreviations and

acronyms

: ATE = Acute Toxicity Estimate

GB CLP = UK CLP (EC No 1272/2008) on the Classification, Labelling and

Packaging of Substances and Mixtures as amended by (EU Exit) Regulations 2019

No. 720 and amendments

DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level

EUH statement = GB CLP-specific Hazard statement

N/A = Not available

PBT = Persistent, Bioaccumulative and Toxic PNEC = Predicted No Effect Concentration RRN = REACH Registration Number

SGG = Segregation Group

vPvB = Very Persistent and Very Bioaccumulative

Procedure used to derive the classification

Classification	Justification	
Streptokinase Reagent		
Acute Tox. 4, H302	Calculation method	
Acute Tox. 3, H311	Calculation method	
Aquatic Chronic 2, H411	Calculation method	

Full text of abbreviated H statements

Streptokinase Reagent	
H300	Fatal if swallowed.
H302	Harmful if swallowed.
H310	Fatal in contact with skin.
H311	Toxic in contact with skin.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
EUH032	Contact with acids liberates very toxic gas.

Full text of classifications

Streptokinase
D = = = = = 4

Reagent Acute Tox. 1

Acute Tox. 1 ACUTE TOXICITY - Category 1
Acute Tox. 2 ACUTE TOXICITY - Category 2
Acute Tox. 3 ACUTE TOXICITY - Category 3
Acute Tox. 4 ACUTE TOXICITY - Category 4

Aquatic Acute 1 SHORT-TERM (ACUTE) ÂQUATIC HAZARD - Category 1
Aquatic Chronic 1 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1
LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2

Resp. Sens. 1 RESPIRATORY SENSITISATION - Category 1

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revision

Date of previous issue : No previous validation

Version : 1

Notice to reader

SECTION 16: Other information

To the best of our knowledge, the information contained herein is accurate. However, neither the abovenamed supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.