SAFETY DATA SHEET

DCA Systems Hemoglobin A1c Reagent Kit

SIEMENS Healthineers

SDS no.: 5035C

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

1.1 Product identifier

Product name : DCA Systems Hemoglobin A1c Reagent Kit

Product code : 5035C, 10311134, 06162000, 10888639

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

Identified uses	HbA1c Oxidant	Diagnostic agents.
	HbA1c Buffer Solution	Diagnostic agents.
	HbA1c Antibody Latex	Diagnostic agents.
	HbA1c Agglutinator	Diagnostic agents.
	Glass capillary	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 :	HbA1c Oxidant	Mixture
	HbA1c Buffer Solution	Mixture
	HbA1c Antibody Latex	Mixture
	HbA1c Agglutinator	Mixture
	Glass capillary	Mono-constituent substance

Classification according to UK CLP/GHS

HbA1c Oxidant

Aquatic Chronic 2, H411

The product is not 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 :

SECTION 2: Hazards identification

Signal word	:	HbA1c Oxidant	No signal word.
		HbA1c Buffer Solution	No signal word.
		HbA1c Antibody Latex	No signal word.
		HbA1c Agglutinator	No signal word.
		Glass capillary	No signal word.
Hazard statements	:	HbA1c Oxidant	H411 - Toxic to aquatic life with long lasting effects.
		HbA1c Buffer Solution	No known significant effects or critical hazards.
		HbA1c Antibody Latex	No known significant effects or critical hazards.
		HbA1c Agglutinator	No known significant effects or critical hazards.
		Glass capillary	No known significant effects or critical hazards.

Precautionary statements

Prevention	:	HbA1c Oxidant	P273 - Avoid release to the environment.
		HbA1c Buffer Solution	Not applicable.
		HbA1c Antibody Latex	Not applicable.
		HbA1c Agglutinator	Not applicable.
		Glass capillary	Not applicable.
Response	:	HbA1c Oxidant	P391 - Collect spillage.
		HbA1c Buffer Solution	Not applicable.
		HbA1c Antibody Latex	Not applicable.
		HbA1c Agglutinator	Not applicable.
		Glass capillary	Not applicable.
Storage	:	HbA1c Oxidant	Not applicable.
		HbA1c Buffer Solution	Not applicable.
		HbA1c Antibody Latex	Not applicable.
		HbA1c Agglutinator	Not applicable.
		Glass capillary	Not applicable.
Disposal	:	HbA1c Oxidant	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
		HbA1c Buffer Solution	Not applicable.
		HbA1c Antibody Latex	Not applicable.
		HbA1c Agglutinator	Not applicable.
		Glass capillary	Not applicable.
Supplemental label elements	:	HbA1c Oxidant	Not applicable.
		HbA1c Buffer Solution	Safety data sheet available on request.
		HbA1c Antibody Latex	Safety data sheet available on request.
		HbA1c Agglutinator	Safety data sheet available on request.
		Glass capillary	Not applicable.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	:	HbA1c Oxidant	Not applicable.
		HbA1c Buffer Solution	Not applicable.
		HbA1c Antibody Latex	Not applicable.
		HbA1c Agglutinator	Not applicable.
		Glass capillary	Not applicable.

2.3 Other hazards

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

PBT	P	B	T	vPvB	vP	vB
Glass capillary N/A	N/A	N/A	N/A	N/A	N/A	N/A

SECTION 2: Hazards identification

	HbA1c Oxidant	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
	HbA1c Buffer Solution	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
	HbA1c Antibody Latex	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
	HbA1c Agglutinator	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
	Glass capillary	
Other hazards which do not result in classification :	HbA1c Oxidant	None known.
	HbA1c Buffer Solution	None known.
	HbA1c Antibody Latex	None known.
	HbA1c Agglutinator	None known.
	Glass capillary	None known.
Additional information :	Not available.	
	Not available.	

SECTION 3: Composition/information on ingredients

3.1 Substances :	HbA1c Oxidant	Mixture
	HbA1c Buffer Solution	Mixture
	HbA1c Antibody Latex	Mixture
	HbA1c Agglutinator	Mixture
	Glass capillary	Mono-constituent substance

Product/ingredient name	Identifiers	%	Classification	Type
HbA1c Oxidant				
sucrose	REACH #: Annex IV EC: 200-334-9 CAS: 57-50-1	≥50 - ≤75	Not classified.	[2]
tripotassium hexacyanoferrate	EC: 237-323-3 CAS: 13746-66-2	≤10	Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)	[1] [2]
HbA1c Buffer Solution				
alkali salts and alkali earth salts of thiocyanic acid	EC: 209-135-1 CAS: 556-65-0 Index: 615-030-00-5	≤10	Acute Tox. 4, H302 Acute Tox. 4, H312 Acute Tox. 4, H332 Aquatic Chronic 3, H412	[1]
HbA1c Antibody Latex				
sucrose	REACH #: Annex IV EC: 200-334-9 CAS: 57-50-1	≥25 - ≤50	Not classified.	[1]
HbA1c Agglutinator				
sucrose	REACH #: Annex IV EC: 200-334-9 CAS: 57-50-1	≥50 - ≤75	Not classified.	[2]
citric acid	EC: 201-069-1 CAS: 77-92-9 Index: 607-750-00-3	<10	Eye Irrit. 2, H319 STOT SE 3, H335	[1]
Glass capillary				
Heparin, lithium salt	CAS: 9045-22-1	100	Not classified.	[1]

SECTION 3: Composition/information on ingredients

			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 :

HbA1c Oxidant: 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.

HbA1c 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.

HbA1c Antibody Latex: 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.

HbA1c Agglutinator: 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.

Glass capillary: 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.

Inhalation :

HbA1c Oxidant: Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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.

HbA1c Buffer Solution: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. 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.

HbA1c Antibody Latex: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. 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.

HbA1c Agglutinator: Remove victim to fresh air and keep at rest in a position comfortable for

SECTION 4: First aid measures

			breathing. Get medical attention if symptoms occur.
		Glass capillary	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Skin contact	:	HbA1c Oxidant	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
		HbA1c Buffer Solution	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
		HbA1c Antibody Latex	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
		HbA1c Agglutinator	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
		Glass capillary	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Ingestion	:	HbA1c Oxidant	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.
		HbA1c 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.
		HbA1c Antibody Latex	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.
		HbA1c Agglutinator	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.
		Glass capillary	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.

SECTION 4: First aid measures

Protection of first-aiders	:	HbA1c Oxidant	No action shall be taken involving any personal risk or without suitable training.
		HbA1c Buffer Solution	No action shall be taken involving any personal risk or without suitable training.
		HbA1c Antibody Latex	No action shall be taken involving any personal risk or without suitable training.
		HbA1c Agglutinator	No action shall be taken involving any personal risk or without suitable training.
		Glass capillary	No action shall be taken involving any personal risk or without suitable training.

4.2 Most important symptoms and effects, both acute and delayed

Over-exposure signs/symptoms

Eye contact	:	HbA1c Oxidant	No specific data.
		HbA1c Buffer Solution	No specific data.
		HbA1c Antibody Latex	No specific data.
		HbA1c Agglutinator	No specific data.
		Glass capillary	No specific data.
Inhalation	:	HbA1c Oxidant	No specific data.
		HbA1c Buffer Solution	No specific data.
		HbA1c Antibody Latex	No specific data.
		HbA1c Agglutinator	No specific data.
		Glass capillary	No specific data.
Skin contact	:	HbA1c Oxidant	No specific data.
		HbA1c Buffer Solution	No specific data.
		HbA1c Antibody Latex	No specific data.
		HbA1c Agglutinator	No specific data.
		Glass capillary	No specific data.
Ingestion	:	HbA1c Oxidant	No specific data.
		HbA1c Buffer Solution	No specific data.
		HbA1c Antibody Latex	No specific data.
		HbA1c Agglutinator	No specific data.
		Glass capillary	No specific data.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician	:	HbA1c Oxidant	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.
		HbA1c Buffer Solution	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.
		HbA1c Antibody Latex	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.
		HbA1c Agglutinator	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
		Glass capillary	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	:	HbA1c Oxidant	No specific treatment.
		HbA1c Buffer Solution	No specific treatment.
		HbA1c Antibody Latex	No specific treatment.
		HbA1c Agglutinator	No specific treatment.
		Glass capillary	No specific treatment.

SECTION 4: First aid measures

HbA1c Oxidant	Not available.
HbA1c Buffer Solution	Not available.
HbA1c Antibody Latex	Not available.
HbA1c Agglutinator	Not available.
Glass capillary	Not available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media : None known.

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture : In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous combustion products : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
nitrogen oxides
sulfur 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 mode.

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. 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).

6.3 Methods and material 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 6: Accidental release measures

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).

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. 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
HbA1c Oxidant E2	200 tonne	500 tonne

7.3 Specific end use(s)

Recommendations : Not available.

Industrial sector specific solutions : Not available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

Product/ingredient name	Exposure limit values
HbA1c Oxidant	
sucrose	**EH40/2005 WELs (United Kingdom (UK), 1/2020).** STEL: 20 mg/m³ 15 minutes. TWA: 10 mg/m³ 8 hours.
tripotassium hexacyanoferrate	**EH40/2005 WELs (United Kingdom (UK), 1/2020). [iron salts] Notes: as Fe** STEL: 2 mg/m³, (as Fe) 15 minutes. **EH40/2005 WELs (United Kingdom (UK), 1/2020). [cyanides, except HCN, cyanogen and cyanogen chloride] Absorbed through skin. Notes: as CN** TWA: 5 mg/m³, (as CN) 8 hours.
HbA1c Antibody Latex	
sucrose	**EH40/2005 WELs (United Kingdom (UK), 1/2020).** STEL: 20 mg/m³ 15 minutes. TWA: 10 mg/m³ 8 hours.
HbA1c Agglutinator	
sucrose	**EH40/2005 WELs (United Kingdom (UK), 1/2020).** STEL: 20 mg/m³ 15 minutes.

SECTION 8: Exposure controls/personal protection

	TWA: 10 mg/m³ 8 hours.

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	Type	Exposure	Value	Population	Effects
HbA1c Oxidant					
tripotassium hexacyanoferrate	DNEL	Long term Oral	4.5 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	4.5 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	9 mg/kg bw/day	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.

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.

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	:	HbA1c Oxidant	Solid.
		HbA1c Buffer Solution	Liquid.
		HbA1c Antibody Latex	Solid.
		HbA1c Agglutinator	Solid.
		Glass capillary	Solid.
Colour	:	HbA1c Oxidant	Not available.
		HbA1c Buffer Solution	Colourless.
		HbA1c Antibody Latex	Not available.
		HbA1c Agglutinator	Not available.
		Glass capillary	White.
Odour	:	HbA1c Oxidant	Odourless.
		HbA1c Buffer Solution	Odourless.
		HbA1c Antibody Latex	Odourless.
		HbA1c Agglutinator	Odourless.
		Glass capillary	Not available.
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 boiling range	:	HbA1c Oxidant	Not available.
		HbA1c Buffer Solution	Not available.
		HbA1c Antibody Latex	Not available.
		HbA1c Agglutinator	Not available.
		Glass capillary	Not available.
Flammability (solid, gas)	:	HbA1c Oxidant	Not relevant/applicable due to nature of the product.
		HbA1c Buffer Solution	Not relevant/applicable due to nature of the product.
		HbA1c Antibody Latex	Not relevant/applicable due to nature of the product.
		HbA1c Agglutinator	Not relevant/applicable due to nature of the product.
		Glass capillary	Not relevant/applicable due to nature of the product.
Upper/lower flammability or explosive limits	:	HbA1c Oxidant	Not applicable.
		HbA1c Buffer Solution	Not available.
		HbA1c Antibody Latex	Not applicable.
		HbA1c Agglutinator	Not applicable.
		Glass capillary	Not applicable.
Flash point	:	HbA1c Oxidant	[Product does not sustain combustion.]
		HbA1c Buffer Solution	[Product does not sustain combustion.]
		HbA1c Antibody Latex	[Product does not sustain combustion.]
		HbA1c Agglutinator	[Product does not sustain combustion.]
		Glass capillary	[Product does not sustain combustion.]
Decomposition temperature	:	Not relevant/applicable due to nature of the product.	
pH	:	HbA1c Oxidant	Not applicable.
		HbA1c Buffer Solution	9
		HbA1c Antibody Latex	Not available.
		HbA1c Agglutinator	Not available.
		Glass capillary	Not applicable.
Viscosity	:	HbA1c Oxidant	Not applicable.
		HbA1c Buffer Solution	Not available.
		HbA1c Antibody Latex	Not applicable.
		HbA1c Agglutinator	Not applicable.
		Glass capillary	Not applicable.

SECTION 9: Physical and chemical properties

Solubility(ies) :

Not available.

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

Vapour pressure :

	Vapour Pressure at 20˚C			Vapour pressure at 50˚C		
Ingredient name	**mm Hg**	**kPa**	**Method**	**mm Hg**	**kPa**	**Method**
HbA1c Buffer Solution						
water	23.8	3.2				

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

Relative density :

HbA1c Oxidant	Not available.
HbA1c Buffer Solution	1
HbA1c Antibody Latex	Not available.
HbA1c Agglutinator	Not available.
Glass capillary	Not available.

Density :

HbA1c Oxidant	Not available.
HbA1c Buffer Solution	Not available.
HbA1c Antibody Latex	Not available.
HbA1c Agglutinator	Not available.
Glass capillary	Not available.

Vapour density :

HbA1c Oxidant	Not applicable.
HbA1c Buffer Solution	Not available.
HbA1c Antibody Latex	Not applicable.
HbA1c Agglutinator	Not applicable.
Glass capillary	Not applicable.

Explosive properties :

HbA1c Oxidant	Non-explosive in the presence of the following materials or conditions: open flames, sparks and static discharge and oxidising materials.
HbA1c Buffer Solution	Not available.
HbA1c Antibody Latex	Non-explosive in the presence of the following materials or conditions: open flames, sparks and static discharge and oxidising materials.
HbA1c Agglutinator	Non-explosive in the presence of the following materials or conditions: open flames, sparks and static discharge and oxidising materials.
Glass capillary	Not available.

Oxidising properties :

HbA1c Oxidant	Not available.
HbA1c Buffer Solution	Not available.
HbA1c Antibody Latex	Not available.
HbA1c Agglutinator	Not available.
Glass capillary	Not available.

Particle characteristics

Median particle size : Not applicable.

9.2 Other information

Fire point :

HbA1c Oxidant	Not available.
HbA1c Buffer Solution	Not available.
HbA1c Antibody Latex	Not available.
HbA1c Agglutinator	Not available.
Glass capillary	Not available.

SECTION 9: Physical and chemical properties

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
HbA1c Oxidant				
sucrose	LD50 Oral	Rat	29700 mg/kg	-
HbA1c Antibody Latex				
sucrose	LD50 Oral	Rat	29700 mg/kg	-
HbA1c Agglutinator				
sucrose	LD50 Oral	Rat	29700 mg/kg	-
citric acid	LD50 Oral	Rat	3 g/kg	-

Conclusion/Summary :

HbA1c Oxidant	Not available.
HbA1c Buffer Solution	Not available.
HbA1c Antibody Latex	Not available.
HbA1c Agglutinator	Not available.
Glass capillary	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)

SECTION 11: Toxicological information

HbA1c Oxidant					
sucrose	29700	N/A	N/A	N/A	N/A
HbA1c Buffer Solution					
HbA1c Buffer Solution	6210.5	13663.1	N/A	136.6	N/A
alkali salts and alkali earth salts of thiocyanic acid	500	1100	N/A	11	N/A
HbA1c Antibody Latex					
sucrose	29700	N/A	N/A	N/A	N/A
HbA1c Agglutinator					
sucrose	29700	N/A	N/A	N/A	N/A
citric acid	3000	N/A	N/A	N/A	N/A

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
HbA1c Agglutinator					
citric acid	Eyes - Severe irritant	Rabbit	-	24 hours 750 ug	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 mg	-
	Skin - Moderate irritant	Rabbit	-	0.5 Ml	-

Conclusion/Summary

Skin	:	HbA1c Oxidant	Not available.
		HbA1c Buffer Solution	Not available.
		HbA1c Antibody Latex	Not available.
		HbA1c Agglutinator	Not available.
		Glass capillary	Not available.
Eyes	:	HbA1c Oxidant	Not available.
		HbA1c Buffer Solution	Not available.
		HbA1c Antibody Latex	Not available.
		HbA1c Agglutinator	Not available.
		Glass capillary	Not available.
Respiratory	:	HbA1c Oxidant	Not available.
		HbA1c Buffer Solution	Not available.
		HbA1c Antibody Latex	Not available.
		HbA1c Agglutinator	Not available.
		Glass capillary	Not available.

Sensitisation

Conclusion/Summary

Skin	:	HbA1c Oxidant	Not available.
		HbA1c Buffer Solution	Not available.
		HbA1c Antibody Latex	Not available.
		HbA1c Agglutinator	Not available.
		Glass capillary	Not available.
Respiratory	:	HbA1c Oxidant	Not available.
		HbA1c Buffer Solution	Not available.
		HbA1c Antibody Latex	Not available.
		HbA1c Agglutinator	Not available.
		Glass capillary	Not available.

Mutagenicity

Conclusion/Summary	:	HbA1c Oxidant	Not available.
		HbA1c Buffer Solution	Not available.
		HbA1c Antibody Latex	Not available.
		HbA1c Agglutinator	Not available.
		Glass capillary	Not available.

Carcinogenicity

SECTION 11: Toxicological information

Conclusion/Summary	:	HbA1c Oxidant	Not available.
		HbA1c Buffer Solution	Not available.
		HbA1c Antibody Latex	Not available.
		HbA1c Agglutinator	Not available.
		Glass capillary	Not available.

Reproductive toxicity

Conclusion/Summary	:	HbA1c Oxidant	Not available.
		HbA1c Buffer Solution	Not available.
		HbA1c Antibody Latex	Not available.
		HbA1c Agglutinator	Not available.
		Glass capillary	Not available.

Teratogenicity

Conclusion/Summary	:	HbA1c Oxidant	Not available.
		HbA1c Buffer Solution	Not available.
		HbA1c Antibody Latex	Not available.
		HbA1c Agglutinator	Not available.
		Glass capillary	Not available.

Specific target organ toxicity (single exposure)

Product/ingredient name	Category	Route of exposure	Target organs
HbA1c Agglutinator citric acid	Category 3	-	Respiratory tract irritation

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on likely routes of exposure	:	HbA1c Oxidant	Not available.
		HbA1c Buffer Solution	Not available.
		HbA1c Antibody Latex	Not available.
		HbA1c Agglutinator	Not available.
		Glass capillary	Not available.

Potential acute health effects

Eye contact	:	HbA1c Oxidant	No known significant effects or critical hazards.
		HbA1c Buffer Solution	No known significant effects or critical hazards.
		HbA1c Antibody Latex	No known significant effects or critical hazards.
		HbA1c Agglutinator	No known significant effects or critical hazards.
		Glass capillary	No known significant effects or critical hazards.
Inhalation	:	HbA1c Oxidant	No known significant effects or critical hazards.
		HbA1c Buffer Solution	No known significant effects or critical hazards.
		HbA1c Antibody Latex	No known significant effects or critical hazards.
		HbA1c Agglutinator	No known significant effects or critical hazards.
		Glass capillary	No known significant effects or critical hazards.

SECTION 11: Toxicological information

Skin contact	:	HbA1c Oxidant	No known significant effects or critical hazards.
		HbA1c Buffer Solution	No known significant effects or critical hazards.
		HbA1c Antibody Latex	No known significant effects or critical hazards.
		HbA1c Agglutinator	No known significant effects or critical hazards.
		Glass capillary	No known significant effects or critical hazards.
Ingestion	:	HbA1c Oxidant	No known significant effects or critical hazards.
		HbA1c Buffer Solution	No known significant effects or critical hazards.
		HbA1c Antibody Latex	No known significant effects or critical hazards.
		HbA1c Agglutinator	No known significant effects or critical hazards.
		Glass capillary	No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact	:	HbA1c Oxidant	No specific data.
		HbA1c Buffer Solution	No specific data.
		HbA1c Antibody Latex	No specific data.
		HbA1c Agglutinator	No specific data.
		Glass capillary	No specific data.
Inhalation	:	HbA1c Oxidant	No specific data.
		HbA1c Buffer Solution	No specific data.
		HbA1c Antibody Latex	No specific data.
		HbA1c Agglutinator	No specific data.
		Glass capillary	No specific data.
Skin contact	:	HbA1c Oxidant	No specific data.
		HbA1c Buffer Solution	No specific data.
		HbA1c Antibody Latex	No specific data.
		HbA1c Agglutinator	No specific data.
		Glass capillary	No specific data.
Ingestion	:	HbA1c Oxidant	No specific data.
		HbA1c Buffer Solution	No specific data.
		HbA1c Antibody Latex	No specific data.
		HbA1c Agglutinator	No specific data.
		Glass capillary	No specific data.

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

Short term exposure

Potential immediate effects	:	HbA1c Oxidant	Not available.
		HbA1c Buffer Solution	Not available.
		HbA1c Antibody Latex	Not available.
		HbA1c Agglutinator	Not available.
		Glass capillary	Not available.
Potential delayed effects	:	HbA1c Oxidant	Not available.
		HbA1c Buffer Solution	Not available.
		HbA1c Antibody Latex	Not available.
		HbA1c Agglutinator	Not available.
		Glass capillary	Not available.

Long term exposure

SECTION 11: Toxicological information

Potential immediate effects	:	HbA1c Oxidant	Not available.
		HbA1c Buffer Solution	Not available.
		HbA1c Antibody Latex	Not available.
		HbA1c Agglutinator	Not available.
		Glass capillary	Not available.
Potential delayed effects	:	HbA1c Oxidant	Not available.
		HbA1c Buffer Solution	Not available.
		HbA1c Antibody Latex	Not available.
		HbA1c Agglutinator	Not available.
		Glass capillary	Not available.

Potential chronic health effects

Not available.

Conclusion/Summary	:	HbA1c Oxidant	Not available.
		HbA1c Buffer Solution	Not available.
		HbA1c Antibody Latex	Not available.
		HbA1c Agglutinator	Not available.
		Glass capillary	Not available.
General	:	HbA1c Oxidant	No known significant effects or critical hazards.
		HbA1c Buffer Solution	No known significant effects or critical hazards.
		HbA1c Antibody Latex	No known significant effects or critical hazards.
		HbA1c Agglutinator	No known significant effects or critical hazards.
		Glass capillary	No known significant effects or critical hazards.
Carcinogenicity	:	HbA1c Oxidant	No known significant effects or critical hazards.
		HbA1c Buffer Solution	No known significant effects or critical hazards.
		HbA1c Antibody Latex	No known significant effects or critical hazards.
		HbA1c Agglutinator	No known significant effects or critical hazards.
		Glass capillary	No known significant effects or critical hazards.
Mutagenicity	:	HbA1c Oxidant	No known significant effects or critical hazards.
		HbA1c Buffer Solution	No known significant effects or critical hazards.
		HbA1c Antibody Latex	No known significant effects or critical hazards.
		HbA1c Agglutinator	No known significant effects or critical hazards.
		Glass capillary	No known significant effects or critical hazards.
Reproductive toxicity	:	HbA1c Oxidant	No known significant effects or critical hazards.
		HbA1c Buffer Solution	No known significant effects or critical hazards.
		HbA1c Antibody Latex	No known significant effects or critical hazards.
		HbA1c Agglutinator	No known significant effects or critical hazards.
		Glass capillary	No known significant effects or critical hazards.

SECTION 11: Toxicological information

Interactive effects	:	HbA1c Oxidant	Not available.
		HbA1c Buffer Solution	Not available.
		HbA1c Antibody Latex	Not available.
		HbA1c Agglutinator	Not available.
		Glass capillary	Not available.
Toxicokinetics			
Absorption	:	HbA1c Oxidant	Not available.
		HbA1c Buffer Solution	Not available.
		HbA1c Antibody Latex	Not available.
		HbA1c Agglutinator	Not available.
		Glass capillary	Not available.
Distribution	:	HbA1c Oxidant	Not available.
		HbA1c Buffer Solution	Not available.
		HbA1c Antibody Latex	Not available.
		HbA1c Agglutinator	Not available.
		Glass capillary	Not available.
Metabolism	:	HbA1c Oxidant	Not available.
		HbA1c Buffer Solution	Not available.
		HbA1c Antibody Latex	Not available.
		HbA1c Agglutinator	Not available.
		Glass capillary	Not available.
Elimination	:	HbA1c Oxidant	Not available.
		HbA1c Buffer Solution	Not available.
		HbA1c Antibody Latex	Not available.
		HbA1c Agglutinator	Not available.
		Glass capillary	Not available.
Other information	:	HbA1c Oxidant	Not available.
		HbA1c Buffer Solution	Not available.
		HbA1c Antibody Latex	Not available.
		HbA1c Agglutinator	Not available.
		Glass capillary	Not available.

SECTION 12: Ecological information

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
HbA1c Oxidant			
tripotassium hexacyanoferrate	Acute EC50 127 µg/l Marine water	Algae - Diatom - Nitzschia closterium - Exponential growth phase	72 hours
	Acute LC50 549000 µg/l Fresh water	Daphnia - Water flea - Daphnia magna	48 hours
	Acute LC50 0.24 mg/l Fresh water	Fish - Rainbow trout,donaldson trout - Oncorhynchus mykiss	96 hours
	Chronic NOEC 31 µg/l Marine water	Algae - Diatom - Nitzschia closterium - Exponential growth phase	72 hours
HbA1c Agglutinator			
citric acid	Acute LC50 160000 µg/l Marine water	Crustaceans - Green crab - Carcinus maenas - Adult	48 hours

Conclusion/Summary	:	HbA1c Oxidant	Not available.
		HbA1c Buffer Solution	Not available.
		HbA1c Antibody Latex	Not available.
		HbA1c Agglutinator	Not available.
		Glass capillary	Not available.

12.2 Persistence and degradability

SECTION 12: Ecological information

Conclusion/Summary :

HbA1c Oxidant	Not available.
HbA1c Buffer Solution	Not available.
HbA1c Antibody Latex	Not available.
HbA1c Agglutinator	Not available.
Glass capillary	Not available.

12.3 Bioaccumulative potential

Product/ingredient name	$LogP_{ow}$	BCF	Potential
HbA1c Agglutinator			
citric acid	-1.8	-	low

12.4 Mobility in soil

Soil/water partition coefficient (K_{OC}) :

HbA1c Oxidant	Not available.
HbA1c Buffer Solution	Not available.
HbA1c Antibody Latex	Not available.
HbA1c Agglutinator	Not available.
Glass capillary	Not available.

Mobility :

HbA1c Oxidant	Not available.
HbA1c Buffer Solution	Not available.
HbA1c Antibody Latex	Not available.
HbA1c Agglutinator	Not available.
Glass capillary	Not available.

12.5 Results of PBT and vPvB assessment

Product/ingredient name	PBT	P	B	T	vPvB	vP	vB
Glass capillary							
Glass capillary	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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 : Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 2008/98/EC.

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.

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

SECTION 14: Transport information

ADR/RID

14.1 UN number	HbA1c Oxidant	Not regulated.
	HbA1c Buffer Solution	Not regulated.
	HbA1c Antibody Latex	Not regulated.
	HbA1c Agglutinator	Not regulated.
	Glass capillary	Not regulated.
14.2 UN proper shipping name	HbA1c Oxidant	-
	HbA1c Buffer Solution	-
	HbA1c Antibody Latex	-
	HbA1c Agglutinator	-
	Glass capillary	-
14.3 Transport hazard class(es)	HbA1c Oxidant	-
	HbA1c Buffer Solution	-
	HbA1c Antibody Latex	-
	HbA1c Agglutinator	-
	Glass capillary	-
14.4 Packing group	HbA1c Oxidant	-
	HbA1c Buffer Solution	-
	HbA1c Antibody Latex	-
	HbA1c Agglutinator	-
	Glass capillary	-
14.5 Environmental hazards	HbA1c Oxidant	No.
	HbA1c Buffer Solution	No.
	HbA1c Antibody Latex	No.
	HbA1c Agglutinator	No.
	Glass capillary	No.
Additional information	HbA1c Oxidant	-
	HbA1c Buffer Solution	-
	HbA1c Antibody Latex	-
	HbA1c Agglutinator	-
	Glass capillary	-

ADN

14.1 UN number	HbA1c Oxidant	Not regulated.
	HbA1c Buffer Solution	Not regulated.
	HbA1c Antibody Latex	Not regulated.
	HbA1c Agglutinator	Not regulated.
	Glass capillary	Not regulated.
14.2 UN proper shipping name	HbA1c Oxidant	-
	HbA1c Buffer Solution	-
	HbA1c Antibody Latex	-
	HbA1c Agglutinator	-
	Glass capillary	-
14.3 Transport hazard class(es)	HbA1c Oxidant	-
	HbA1c Buffer Solution	-
	HbA1c Antibody Latex	-
	HbA1c Agglutinator	-
	Glass capillary	-

SECTION 14: Transport information

14.4 Packing group	HbA1c Oxidant	-
	HbA1c Buffer Solution	-
	HbA1c Antibody Latex	-
	HbA1c Agglutinator	-
	Glass capillary	-
14.5 Environmental hazards	HbA1c Oxidant	No.
	HbA1c Buffer Solution	No.
	HbA1c Antibody Latex	No.
	HbA1c Agglutinator	No.
	Glass capillary	No.
Additional information	HbA1c Oxidant	-
	HbA1c Buffer Solution	-
	HbA1c Antibody Latex	-
	HbA1c Agglutinator	-
	Glass capillary	-

IMDG

14.1 UN number	HbA1c Oxidant	Not regulated.
	HbA1c Buffer Solution	Not regulated.
	HbA1c Antibody Latex	Not regulated.
	HbA1c Agglutinator	Not regulated.
	Glass capillary	Not regulated.
14.2 UN proper shipping name	HbA1c Oxidant	-
	HbA1c Buffer Solution	-
	HbA1c Antibody Latex	-
	HbA1c Agglutinator	-
	Glass capillary	-
14.3 Transport hazard class(es)	HbA1c Oxidant	-
	HbA1c Buffer Solution	-
	HbA1c Antibody Latex	-
	HbA1c Agglutinator	-
	Glass capillary	-
14.4 Packing group	HbA1c Oxidant	-
	HbA1c Buffer Solution	-
	HbA1c Antibody Latex	-
	HbA1c Agglutinator	-
	Glass capillary	-
14.5 Environmental hazards	HbA1c Oxidant	No.
	HbA1c Buffer Solution	No.
	HbA1c Antibody Latex	No.
	HbA1c Agglutinator	No.
	Glass capillary	No.
Additional information	HbA1c Oxidant	-
	HbA1c Buffer Solution	-
	HbA1c Antibody Latex	-
	HbA1c Agglutinator	-
	Glass capillary	-

IATA

14.1 UN number	HbA1c Oxidant	Not regulated.
	HbA1c Buffer Solution	Not regulated.
	HbA1c Antibody Latex	Not regulated.
	HbA1c Agglutinator	Not regulated.
	Glass capillary	Not regulated.

SECTION 14: Transport information

14.2 UN proper shipping name	HbA1c Oxidant	-
	HbA1c Buffer Solution	-
	HbA1c Antibody Latex	-
	HbA1c Agglutinator	-
	Glass capillary	-
14.3 Transport hazard class(es)	HbA1c Oxidant	-
	HbA1c Buffer Solution	-
	HbA1c Antibody Latex	-
	HbA1c Agglutinator	-
	Glass capillary	-
14.4 Packing group	HbA1c Oxidant	-
	HbA1c Buffer Solution	-
	HbA1c Antibody Latex	-
	HbA1c Agglutinator	-
	Glass capillary	-
14.5 Environmental hazards	HbA1c Oxidant	No.
	HbA1c Buffer Solution	No.
	HbA1c Antibody Latex	No.
	HbA1c Agglutinator	No.
	Glass capillary	No.
Additional information	HbA1c Oxidant	-
	HbA1c Buffer Solution	-
	HbA1c Antibody Latex	-
	HbA1c Agglutinator	-
	Glass capillary	-

14.6 Special precautions for user :	HbA1c Oxidant	**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.
	HbA1c 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.
	HbA1c Antibody Latex	**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.
	HbA1c Agglutinator	**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.
	Glass capillary	**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.

SECTION 14: Transport information

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	:	HbA1c Oxidant	Not applicable.
		HbA1c Buffer Solution	Not applicable.
		HbA1c Antibody Latex	Not applicable.
		HbA1c Agglutinator	Not applicable.
		Glass capillary	Not applicable.

Seveso Directive

This product is not controlled under the Seveso Directive.

Danger criteria

Category
HbA1c Oxidant E2

EU regulations

Industrial emissions (integrated pollution prevention and control) - Air	:	HbA1c Oxidant	Listed
		HbA1c Buffer Solution	Not listed
		HbA1c Antibody Latex	Not listed
		HbA1c Agglutinator	Not listed
		Glass capillary	Not listed
Industrial emissions (integrated pollution prevention and control) - Water	:	HbA1c Oxidant	Listed
		HbA1c Buffer Solution	Not listed
		HbA1c Antibody Latex	Not listed
		HbA1c Agglutinator	Not listed
		Glass capillary	Not listed

International regulations

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

SECTION 15: Regulatory information

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
HbA1c Oxidant Aquatic Chronic 2, H411	Calculation method

Full text of abbreviated H statements

HbA1c Oxidant

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.

HbA1c Buffer Solution

H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H332	Harmful if inhaled.
H412	Harmful to aquatic life with long lasting effects.

HbA1c Agglutinator

H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

Full text of classifications

HbA1c Oxidant

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

HbA1c Buffer Solution

Acute Tox. 4	ACUTE TOXICITY - Category 4
Aquatic Chronic 3	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3

HbA1c Agglutinator

Eye Irrit. 2	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2

SECTION 16: Other information

STOT SE 3	SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 3

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Date of previous issue : No previous validation

Version : 1

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