SAFETY DATA SHEET

IMMULITE® 2000 Insulin

SDS no.:

L2KIN2_6

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

1.1 Product identifier		
Product name	: IMMULITE® 2000 Insulin	
Product code	: L2KIN2/6, 10381455, 10381456	
1.2 Relevant identified uses of	of the substance or mixture and uses ad	vised against
Identified uses	Insulin Reagent Wedge IMMULITE® Insulin Controls Insulin Adjustors	Diagnostic agents. Diagnostic agents. Diagnostic agents.
Restrictions on use	For professional users only.	
Supplier	: Siemens Healthcare Diagnostics Limited Park View, Watchmoor Park, Camberley, Surrey, GU15 3YL United Kingdom	d
e-mail address of person responsible for this SDS	Phone: +44 (0) 345 600 1955 : dx.msds.healthcare@siemens-healthin	eers.com

1.4 Emergency telephone number

CHEMTREC: +44 20 3807 3798

SECTION 2: Hazards identification

2.1 Classification of the s	ubstance or mixture	
Product definition	: Insulin Reagent Wedge IMMULITE® Insulin Controls	Mixture Mixture
	Insulin Adjustors	Mixture
Classification according	to UK CLP/GHS	
IMMULITE® Insulin Con	trols	
Acute Tox. 4, H302		
Acute Tox. 4, H312		

Insulin Adjustors

Acute Tox. 4, H302 Acute Tox. 4, H312 Aquatic Chronic 3, H412

Aquatic Chronic 3, H412

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

Date of issue/Date of revision

1/22

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by UK REACH Regulation SI 2019/758

Hazard pictograms	:	
Signal word	: Insulin Reagent Wedge IMMULITE® Insulin Controls Insulin Adjustors	No signal word. Warning Warning
Hazard statements	: Insulin Reagent Wedge	No known significant effects or critical hazards.
	IMMULITE® Insulin Controls	H302 + H312 - Harmful if swallowed or in contact with skin. H412 - Harmful to aquatic life with long lasting effects.
	Insulin Adjustors	H302 + H312 - Harmful if swallowed or in contact with skin. H412 - Harmful to aquatic life with long lasting effects.
Precautionary statements		
Prevention	: Insulin Reagent Wedge IMMULITE® Insulin Controls	Not applicable. P264 - Wash hands thoroughly after handling. P280 - Wear protective gloves/protective
	Insulin Adjustors	clothing/eye protection/face protection. P273 - Avoid release to the environment. P264 - Wash hands thoroughly after handling. P280 - Wear protective gloves/protective clothing/eye protection/face protection. P273 - Avoid release to the environment.
Response	: Insulin Reagent Wedge IMMULITE® Insulin Controls Insulin Adjustors	Not applicable. P312 - Call a POISON CENTER or doctor/physician if you feel unwell. P312 - Call a POISON CENTER or doctor/physician if you feel unwell.
Storage	: Insulin Reagent Wedge IMMULITE® Insulin Controls Insulin Adjustors	Not applicable. Not applicable. Not applicable.
Disposal	: Insulin Reagent Wedge IMMULITE® Insulin Controls	Not applicable. P501 - Dispose of contents and container in accordance with all local, regional, and national regulations.
	Insulin Adjustors	P501 - Dispose of contents and container in accordance with all local, regional, and national regulations.
Supplemental label elements	: Insulin Reagent Wedge IMMULITE® Insulin Controls	Safety data sheet available on request. Contains N-ethylmaleimide. May produce an allergic reaction.
	Insulin Adjustors	Contains N-ethylmaleimide. May produce an allergic reaction.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and	: Insulin Reagent Wedge IMMULITE® Insulin Controls Insulin Adjustors	Not applicable. Not applicable. Not applicable.

2.3 Other hazards

articles

SECTION 2: Hazards identification

Product meets the criteria for PBT or vPvB according to Regulation (EC) No.	: Insulin Reagent Wedge	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
1907/2006, Annex XIII	IMMULITE® Insulin Controls	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
	Insulin Adjustors	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	: Insulin Reagent Wedge IMMULITE® Insulin Controls Insulin Adjustors	None known. None known. None known.
Additional information	: Not available.	
	Sodium azide may react with lead o	or copper plumbing to form highly explosive metal

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

SECTION 3: Composition/information on ingredients

	Insulin Reagent Wedge IMMULITE® Insulin Controls Insulin Adjustors	Mixture Mixture Mixture		
Product/ingredient name	Identifiers	%	Classification	Туре
Insulin Reagent Wedge				
aminocaproic acid	EC: 200-469-3 CAS: 60-32-2	≤3	Eye Irrit. 2, H319	[1]
IMMULITE® Insulin Controls				
sodium azide	EC: 247-852-1 CAS: 26628-22-8 Index: 011-004-00-7	≤1.9	Acute Tox. 2, H300 Acute Tox. 1, H310 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1) EUH032	[1] [2]
N-ethylmaleimide	EC: 204-892-4 CAS: 128-53-0	≤0.3	Acute Tox. 2, H300 Acute Tox. 3, H311 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1, H317	[1]
Insulin Adjustors				
sodium azide	EC: 247-852-1 CAS: 26628-22-8 Index: 011-004-00-7	≤1.9	Acute Tox. 2, H300 Acute Tox. 1, H310 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1) EUH032	[1] [2]
N-ethylmaleimide	EC: 204-892-4 CAS: 128-53-0	≤0.3	Acute Tox. 2, H300 Acute Tox. 3, H311 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 See Section 16 for the full text of the H	[1]
			statements declared above.	

<u>Type</u>

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by UK REACH Regulation SI 2019/758 IMMULITE® 2000 Insulin

SECTION 3: Composition/information on ingredients

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

SECTION 4: First aid measures

 at least 10 minutes. Get medical attention if irritation occurs. Inhalation : Insulin Reagent Wedge 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. IMMULITE® Insulin Controls 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 respiratory arrest occurs, provide artificial respiratory arrest occurs, provide artificial respiratory and splace in recovery position and get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention if a position comfortable for breathing. If not breathing, if breathing is irregular or 48 hours. 	4.1 Description of first aid	measures	
Insulin Adjustors Insulin Reagent Wedge Insulin Controls Remove vicitin to fresh air and keep at rest in a position orcufrate Insulin Controls Insulin Get medical attention of the advection of the exposed person may need to be kept under medical attention or other table for the exposed person may need to be kept attention of arease of inhalation or are severe. If unconscious, place in receivant of a deservice of the attention of attention of attention or any be delayed. The exposed person may need to be kept under medical attention of attention or organise to the person providing aid to give mouth to-mouth resuscitation. Get medical attention or are severe. If unconscious, place in recover yobition and get medical attention of accemposition or providing aid to give mouth to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recover yobition and get medical attention of decomposition or providing aid to give mouth to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recover yobition and get medical attention infection products in a deserp at rest in a position confortable for threathing. If one breathing, if breathing, if breathing is irregular or if respiratory arrest occurs, provide attificial respiration or oxygen by trained personnel. It may be delayed. The exposed person may need to be kept under medical attention infection infection and get medical attention infection respiration or oxygen by trained personnel. It may be delayed the exposed person may need to be kept under medical surveillance for 48 hours. Remove vicits to the person providing aid to give mouth to-mouth resuscitation. Get medical attention infection person interviting. If breathing is irregular or if respiratory arrest occurs, place in recovery position and get medical attention infection person provid	Eye contact		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
 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. IMMULLITE® insulin Controls 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. Get medical attention if adverse health effects persitor or are severe. If unconscious, place in recovery position and get medical attention of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. Insulin Adjustors Insulin Adjustors 		Insulin Adjustors	at least 10 minutes. 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
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 personneviding aid to give mouth to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. 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. 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 mouth to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention inmediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a	Inhalation		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.
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. 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 mouth to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. 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		IMMOLITE ® Insulit Controls	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 mouth- to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a
attention if adverse health effects persist or are severe. 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		Insulin Adjustors	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. 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 mouth-
	Date of issue/Date of revision	• 12/13/2022 Date of provinus issue	attention if adverse health effects persist or are severe. 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

SECTION 4: First aid measures

		exposed person may need to be kept under medical surveillance for 48 hours.
Skin contact	: Insulin Reagent Wedge	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	IMMULITE® Insulin Controls	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 adverse health effects persist or are severe. If necessary, call a poison center or physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.
	Insulin Adjustors	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 adverse health effects persist or are severe. If necessary, call a poison center or physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Ingestion	: Insulin Reagent Wedge	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
	IMMULITE® Insulin Controls	attention if symptoms occur. 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.
	Insulin Adjustors	Walstband. 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

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SECTION 4: First aid measures

		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	: Insulin Reagent Wedge	No action shall be taken involving any personal risk or without suitable training.
	IMMULITE® Insulin Controls	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.
	Insulin Adjustors	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

Eye contact	: Insulin Reagent Wedge IMMULITE® Insulin Controls Insulin Adjustors	No specific data. No specific data. No specific data.
Inhalation	: Insulin Reagent Wedge IMMULITE® Insulin Controls Insulin Adjustors	No specific data. No specific data. No specific data.
Skin contact	: Insulin Reagent Wedge IMMULITE® Insulin Controls Insulin Adjustors	No specific data. No specific data. No specific data.
Ingestion	: Insulin Reagent Wedge IMMULITE® Insulin Controls Insulin Adjustors	No specific data. No specific data. No specific data.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician	: Insulin Reagent Wedge	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.
	IMMULITE® Insulin Controls	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.
	Insulin Adjustors	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.

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by UK REACH Regulation SI 2019/758

m	easures		
:	Insulin Reagent Wedge IMMULITE® Insulin Controls Insulin Adjustors	No specific treatment. No specific treatment. No specific treatment.	
	Insulin Reagent Wedge IMMULITE® Insulin Controls Insulin Adjustors	Not available. Not available. Not available.	
in	g measures		
:	Use an extinguishing agent suitable fo	r the surrounding fire.	
:	None known.		
on	the substance or mixture		
:	In a fire or if heated, a pressure increase will occur and the container may burst. This material is harmful 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.		
:	0 1		
:	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.		
:	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.		
	: : : : :	Insulin Adjustors Insulin Reagent Wedge IMMULITE® Insulin Controls Insulin Adjustors ing measures Use an extinguishing agent suitable fo : None known. om the substance or mixture : In a fire or if heated, a pressure increa This material is harmful to aquatic life of contaminated with this material must be discharged to any waterway, sewer or Decomposition products may include the halogenated compounds metal oxide/oxides Promptly isolate the scene by removin there is a fire. No action shall be taken suitable training. Fire-fighters should wear appropriate p	

SECTION 6: Accidental release measures

6.1 Personal precautions, pro	ote	ctive 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). Water polluting material. May be harmful to the environment if released in large quantities.
6.3 Methods and material for	со	ontainment 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.

SECTION 6: Accidental release measures

Large spill	: Stop leak if without risk. Move containers from spill area. Approach the release from upwind. 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. Contaminated absorbent material may pose the same hazard as the spilt product. 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 ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. 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				
Advice on general occupational hygiene	 container. 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.

7.3 Specific end use(s)	
Recommendations	: Not available.
Industrial sector specific	: Not available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

solutions

Occupational exposure limits

Product/ingredient name	Exposure limit values			
IMMULITE® Insulin Controls				
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.			
Insulin Adjustors				
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.			

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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
IMMULITE® Insulin Controls					
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/ m³	Workers	Systemic
Insulin Adjustors					
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/ m³	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 meas	ures
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.

SECTION 8: Exposure controls/personal protection

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

<u>Appearance</u>				
Physical state	IMMUL	Reagent Wedge ITE® Insulin Contro Adjustors	Liqu Dis Soli Soli	d.
Colour	IMMUL	Reagent Wedge ITE® Insulin Contro Adjustors	ols Off-	ourless. white. e colour.
Odour	IMMUL	Reagent Wedge ITE® Insulin Contro Adjustors		
Odour threshold	: Not rele	evant/applicable due	e to nature of the p	roduct.
Melting point/freezing point	: Not rele	evant/applicable due	e to nature of the p	roduct.
Softening point	: Not rele	evant/applicable due	e to nature of the p	roduct.
Sublimation temperature	: Not rele	evant/applicable due	e to nature of the p	roduct.
Initial boiling point and boiling range	IMMUL	Reagent Wedge ITE® Insulin Contro Adjustors	ols Not	available. available. available.
Flammability (solid, gas)	IMMUL	Reagent Wedge ITE® Insulin Contro Adjustors	of the second se	relevant/applicable due to nature ne product. relevant/applicable due to nature ne product. relevant/applicable due to nature ne product.
Upper/lower flammability or explosive limits	IMMUL	Reagent Wedge ITE® Insulin Contro Adjustors	ols Not	available. applicable. applicable.
Flash point	IMMUL	Reagent Wedge ITE® Insulin Contro Adjustors	ols [Pro	oduct does not sustain combustion.] oduct does not sustain combustion.] oduct does not sustain combustion.]
Auto-ignition temperature	:			
Ingredient name		°C	°F	Method
Insulin Reagent Wedge				

	Ingredient name		°C	°F	Method
	Insulin Reagent Wedge				
	sodium azide		309	588.2	EU A.16
D	ecomposition temperature	: Not rele	evant/applicable due	e to nature of the p	roduct.
p	Η	IMMUL	Reagent Wedge ITE® Insulin Contro Adjustors	ols Not	5 to 5.95 applicable. applicable.

SECTION 9: Physical and chemical properties

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Viscosity	: Insulin Reagent Wedge IMMULITE® Insulin Controls Insulin Adjustors	Not available. Not applicable. Not applicable.
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°			Vapour pressure at 50°C		
Ingredient name	mm Hg	kPa Method		mm Hg	kPa	Method
Insulin Reagent Wedge						
water	23.8	3.2				
Evaporation rate	: Not	relevant/applic	cable due to nat	ture of the prod	uct.	
Relative density	IMN	ılin Reagent W 1ULITE® Insul ılin Adjustors		1 >1 >1		
Density	IMN	ılin Reagent W 1ULITE® Insul ılin Adjustors		Not ava Not ava Not ava	ilable.	
/apour density	IMN	ılin Reagent W IULITE® Insul ılin Adjustors			iilable. blicable. blicable.	
Explosive properties	IMN	ılin Reagent W 1ULITE® Insul ılin Adjustors		Not ava Not ava Not ava	ilable.	
Dxidising properties	IMN	ılin Reagent W 1ULITE® Insul ılin Adjustors		Not ava Not ava Not ava	ilable.	
Particle characteristics Median particle size	: Not	applicable.				
2 Other information						
Fire point	IMN	ılin Reagent W 1ULITE® Insul ılin Adjustors		Not ava Not ava Not ava	ilable.	
Burning time	: Not	relevant/applic	cable due to nat	ture of the prod	uct.	
Fundamental burning velocit	y : Not	relevant/applic	cable due to nat	ture of the prod	uct.	
Burning rate	: Not	relevant/applic	cable due to nat	ture of the prod	uct.	
SADT	: Not	relevant/applic	cable due to nat	ture of the prod	uct.	
SAPT	: Not	relevant/applic	cable due to nat	ture of the prod	uct.	
leat of reaction	: Not	relevant/applic	cable due to nat	ture of the prod	uct.	
leat of combustion	: Not	relevant/applic	cable due to nat	ture of the prod	uct.	
Flow time (ISO 2431)	: Not	relevant/applic	cable due to nat	ture of the prod	uct.	
Aolecular weight	: Not	relevant/applic	cable due to nat	ture of the prod	uct.	

SECTION 10: Stabilit	ty 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
IMMULITE® Insulin				
Controls				
sodium azide	LD50 Dermal	Rabbit	20 mg/kg	-
	LD50 Dermal	Rat	50 mg/kg	-
	LD50 Oral	Rat	27 mg/kg	-
N-ethylmaleimide	LD50 Oral	Rat	25 mg/kg	-
Insulin Adjustors				
sodium azide	LD50 Dermal	Rabbit	20 mg/kg	-
	LD50 Dermal	Rat	50 mg/kg	-
	LD50 Oral	Rat	27 mg/kg	-
N-ethylmaleimide	LD50 Oral	Rat	25 mg/kg	-
Conclusion/Summary	: Insulin Reagent Wedge	N	ot available.	·

•	modiff Redgent Wedge	Not available.
	IMMULITE® Insulin Controls	Not available.
	Insulin Adiustors	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)
IMMULITE® Insulin Controls					
IMMULITE® Insulin Controls	1614.4	1440.2	N/A	N/A	N/A
sodium azide	27	20	N/A	N/A	N/A
N-ethylmaleimide	25	300	N/A	N/A	N/A
Insulin Adjustors					
Insulin Adjustors	1614.4	1440.2	N/A	N/A	N/A
sodium azide	27	20	N/A	N/A	N/A
N-ethylmaleimide	25	300	N/A	N/A	N/A

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Insulin Reagent Wedge aminocaproic acid	Eyes - Mild irritant	Rabbit	-	24 hours 500 mg	-

Conclusion/Summary

Date of issue/Date of revision

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IMMULITE® 2000 Insulin		
SECTION 11: Toxic	cological information	
Skin	: Insulin Reagent Wedge IMMULITE® Insulin Controls Insulin Adjustors	Not available. Not available. Not available.
Eyes	: Insulin Reagent Wedge IMMULITE® Insulin Controls Insulin Adjustors	Not available. Not available. Not available.
Respiratory	: Insulin Reagent Wedge IMMULITE® Insulin Controls Insulin Adjustors	Not available. Not available. Not available.
Sensitisation		
Conclusion/Summary		
Skin	: Insulin Reagent Wedge IMMULITE® Insulin Controls Insulin Adjustors	Not available. Not available. Not available.
Respiratory	: Insulin Reagent Wedge IMMULITE® Insulin Controls Insulin Adjustors	Not available. Not available. Not available.
Mutagenicity		
Conclusion/Summary	: Insulin Reagent Wedge IMMULITE® Insulin Controls Insulin Adjustors	Not available. Not available. Not available.
Carcinogenicity		
Conclusion/Summary	: Insulin Reagent Wedge IMMULITE® Insulin Controls Insulin Adjustors	Not available. Not available. Not available.
Reproductive toxicity		
Conclusion/Summary	: Insulin Reagent Wedge IMMULITE® Insulin Controls Insulin Adjustors	Not available. Not available. Not available.
Teratogenicity		
Conclusion/Summary	: Insulin Reagent Wedge IMMULITE® Insulin Controls Insulin Adjustors	Not available. Not available. Not available.
<u>Specific target organ tox</u> Not available.	<u>icity (single exposure)</u>	
<u>Specific target organ tox</u> Not available.	icity (repeated exposure)	
Aspiration hazard Not available.		
Information on likely route of exposure	es : Insulin Reagent Wedge IMMULITE® Insulin Controls Insulin Adjustors	Not available. Not available. Not available.

Potential acute health effects

Eye contact

Insulin Adjustors

: Insulin Reagent Wedge

IMMULITE® Insulin Controls

No known significant effects or critical hazards.

No known significant effects or critical hazards.

No known significant effects or critical hazards.

SECTION 11: To	SECTION 11: Toxicological information					
Inhalation	: Insulin Reagent Wedge	No known significant effects or critical hazards.				
	IMMULITE® Insulin Controls	No known significant effects or critical hazards.				
	Insulin Adjustors	No known significant effects or critical hazards.				
Skin contact	: Insulin Reagent Wedge	No known significant effects or critical hazards.				
	IMMULITE® Insulin Controls Insulin Adjustors	Harmful in contact with skin. Harmful in contact with skin.				
Ingestion	: Insulin Reagent Wedge	No known significant effects or critical hazards.				
	IMMULITE® Insulin Controls Insulin Adjustors	Harmful if swallowed. Harmful if swallowed.				
Symptoms related to	the physical, chemical and toxicological cha	aracteristics				
Eye contact	: Insulin Reagent Wedge IMMULITE® Insulin Controls Insulin Adjustors	No specific data. No specific data. No specific data.				
Inhalation	: Insulin Reagent Wedge IMMULITE® Insulin Controls Insulin Adjustors	No specific data. No specific data. No specific data.				
Skin contact	: Insulin Reagent Wedge IMMULITE® Insulin Controls Insulin Adjustors	No specific data. No specific data. No specific data.				
Ingestion	: Insulin Reagent Wedge IMMULITE® Insulin Controls	No specific data. No specific data.				

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

Insulin Adjustors

<u>Short term exposure</u>		
Potential immediate effects	: Insulin Reagent Wedge Not available. IMMULITE® Insulin Controls Not available. Insulin Adjustors Not available.	
Potential delayed effects	: Insulin Reagent Wedge Not available. IMMULITE® Insulin Controls Not available. Insulin Adjustors Not available.	
<u>Long term exposure</u>		
Potential immediate effects	: Insulin Reagent Wedge Not available. IMMULITE® Insulin Controls Not available. Insulin Adjustors Not available.	
Potential delayed effects	: Insulin Reagent Wedge Not available. IMMULITE® Insulin Controls Not available. Insulin Adjustors Not available.	
Potential chronic health effe	<u>cts</u>	
Not available.		
Conclusion/Summary	: Insulin Reagent Wedge Not available. IMMULITE® Insulin Controls Not available. Insulin Adjustors Not available.	
General	: Insulin Reagent Wedge No known sigr hazards.	nificant effects or critical
	IMMULITE® Insulin Controls No known sigr hazards.	nificant effects or critical
	Insulin Adjustors No known sigr hazards.	nificant effects or critical

No specific data.

SECTION 11: Toxicological information			
Carcinogenicity	: Insulin Reagent Wedge	No known significant effects or critical hazards.	
	IMMULITE® Insulin Controls	No known significant effects or critical hazards.	
	Insulin Adjustors	No known significant effects or critical hazards.	
Mutagenicity	: Insulin Reagent Wedge	No known significant effects or critical hazards.	
	IMMULITE® Insulin Controls	No known significant effects or critical hazards.	
	Insulin Adjustors	No known significant effects or critical hazards.	
Reproductive toxicity	: Insulin Reagent Wedge	No known significant effects or critical hazards.	
	IMMULITE® Insulin Controls	No known significant effects or critical hazards.	
	Insulin Adjustors	No known significant effects or critical hazards.	
Interactive effects	: Insulin Reagent Wedge IMMULITE® Insulin Controls Insulin Adjustors	Not available. Not available. Not available.	
Toxicokinetics			
Absorption	: Insulin Reagent Wedge IMMULITE® Insulin Controls Insulin Adjustors	Not available. Not available. Not available.	
Distribution	: Insulin Reagent Wedge IMMULITE® Insulin Controls Insulin Adjustors	Not available. Not available. Not available.	
Metabolism	: Insulin Reagent Wedge IMMULITE® Insulin Controls Insulin Adjustors	Not available. Not available. Not available.	
Elimination	: Insulin Reagent Wedge IMMULITE® Insulin Controls Insulin Adjustors	Not available. Not available. Not available.	
Other information	: Insulin Reagent Wedge IMMULITE® Insulin Controls Insulin Adjustors	Not available. Not available. Not available.	

SECTION 12: Ecological information

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
IMMULITE® Insulin Controls			
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 macrochirus	96 hours
	Chronic NOEC 5600 µg/l Marine water	Algae - Giant kelp - Macrocystis pyrifera	96 hours
Insulin Adjustors			
sodium azide	Acute EC50 9200 μg/l Marine water	Algae - Giant kelp - Macrocystis pyrifera	96 hours
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SECTION 12: Ecological information

	gical information		
	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 macrochirus	96 hours
	Chronic NOEC 5600 µg/l Marine water	Algae - Giant kelp - Macrocystis pyrifera	96 hours
Conclusion/Summary	: Insulin Reagent Wedge IMMULITE® Insulin Controls Insulin Adjustors	Not available. Not available. Not available.	

12.2 Persistence and degradability

Conclusion/Summary	: Insulin Reagent Wedge IMMULITE® Insulin Controls Insulin Adjustors	Not available. Not available. Not available.

12.3 Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
Insulin Reagent Wedge			
aminocaproic acid	-2.95	-	low

12.4 Mobility in soil

Soil/water partition coefficient (Koc)	: Insulin Reagent Wedge IMMULITE® Insulin Controls Insulin Adjustors	Not available. Not available. Not available.
Mobility	: Insulin Reagent Wedge IMMULITE® Insulin Controls Insulin Adjustors	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 meth	ods
<u>Product</u>	
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	Insulin Reagent Wedge IMMULITE® Insulin Controls Insulin Adjustors	Not regulated. Not regulated. Not regulated.
14.2 UN proper shipping name	Insulin Reagent Wedge IMMULITE® Insulin Controls Insulin Adjustors	- - -
14.3 Transport hazard class(es)	Insulin Reagent Wedge IMMULITE® Insulin Controls Insulin Adjustors	-
14.4 Packing group	Insulin Reagent Wedge IMMULITE® Insulin Controls Insulin Adjustors	- - -
14.5 Environmental hazards	Insulin Reagent Wedge IMMULITE® Insulin Controls Insulin Adjustors	No. No. No.
Additional information	Insulin Reagent Wedge IMMULITE® Insulin Controls Insulin Adjustors	- -
ADN		
14.1 UN number	Insulin Reagent Wedge IMMULITE® Insulin Controls Insulin Adjustors	Not regulated. Not regulated. Not regulated.
14.2 UN proper shipping name	Insulin Reagent Wedge IMMULITE® Insulin Controls Insulin Adjustors	-
14.3 Transport hazard class(es)	Insulin Reagent Wedge IMMULITE® Insulin Controls Insulin Adjustors	- - -
14.4 Packing group	Insulin Reagent Wedge IMMULITE® Insulin Controls Insulin Adjustors	- -
14.5 Environmental hazards	Insulin Reagent Wedge IMMULITE® Insulin Controls Insulin Adjustors	No. No. No.
Additional information	Insulin Reagent Wedge IMMULITE® Insulin Controls Insulin Adjustors	- -
<u>IMDG</u>		
14.1 UN number	Insulin Reagent Wedge IMMULITE® Insulin Controls Insulin Adjustors	Not regulated. Not regulated. Not regulated.

SECTION 14: Transport information

14.2 UN proper shipping name	Insulin Reagent Wedge IMMULITE® Insulin Controls Insulin Adjustors	
14.3 Transport hazard class(es)	Insulin Reagent Wedge IMMULITE® Insulin Controls Insulin Adjustors	-
14.4 Packing group	Insulin Reagent Wedge IMMULITE® Insulin Controls Insulin Adjustors	- -
14.5 Environmental hazards	Insulin Reagent Wedge IMMULITE® Insulin Controls Insulin Adjustors	No. No. No.
Additional information	Insulin Reagent Wedge IMMULITE® Insulin Controls Insulin Adjustors	- - -
<u>IATA</u>		
14.1 UN number	Insulin Reagent Wedge IMMULITE® Insulin Controls Insulin Adjustors	Not regulated. Not regulated. Not regulated.
14.2 UN proper shipping name	Insulin Reagent Wedge IMMULITE® Insulin Controls Insulin Adjustors	- - -
14.3 Transport hazard class(es)	Insulin Reagent Wedge IMMULITE® Insulin Controls Insulin Adjustors	-
14.4 Packing group	Insulin Reagent Wedge IMMULITE® Insulin Controls Insulin Adjustors	- - -
14.5 Environmental hazards	Insulin Reagent Wedge IMMULITE® Insulin Controls Insulin Adjustors	No. No. No.
Additional information	Insulin Reagent Wedge IMMULITE® Insulin Controls Insulin Adjustors	- - -
14.6 Special precaut user	ions for : Insulin Reagent Wedge	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.
	IMMULITE® Insulin Controls	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.
	Insulin Adjustors	Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know
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Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by UK REACH Regulation SI 2019/758 IMMULITE® 2000 Insulin

SECTION 14: Transport information

what to do in the event of an accident or spillage.

14.7 Transport in bulkNot applicable.according to IMOinstruments

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** Not applicable. : Insulin Reagent Wedge IMMULITE® Insulin Controls Not applicable. on the manufacture, **Insulin Adjustors** Not applicable. placing on the market and use of certain dangerous substances, mixtures and articles **Seveso Directive** This product is not controlled under the Seveso Directive. National regulations EU regulations Industrial emissions : Insulin Reagent Wedge Listed (integrated pollution **IMMULITE®** Insulin Controls Not listed prevention and control) -Insulin Adjustors Not listed Air Industrial emissions : Insulin Reagent Wedge Not listed **IMMULITE®** Insulin Controls Not listed (integrated pollution Insulin Adjustors Not listed prevention and control) -Water International regulations **Montreal Protocol** Not listed. 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.

SECTION 15: Regulatory information

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
	SGG = Segregation Group vPvB = Very Persistent and Very Bioaccumulative

Procedure used to derive the classification

Classification	Justification
IMMULITE® Insulin Controls	
Acute Tox. 4, H302	Calculation method
Acute Tox. 4, H312	Calculation method
Aquatic Chronic 3, H412	Calculation method
Insulin Adjustors	
Acute Tox. 4, H302	Calculation method
Acute Tox. 4, H312	Calculation method
Aquatic Chronic 3, H412	Calculation method

Full text of abbreviated H statements

Insulin Reagent Wedge H319	Causes serious eye irritation.				
IMMULITE®					
Controls					
H300	Fatal if swallowed.				
H302	Harmful if swallowed.				
H310	Fatal in contact with skin.				
H311	Toxic in contact with skin.				
H312	Harmful in contact with skin.				
H314	Causes severe skin burns and eye damage.				
H317	May cause an allergic skin reaction.				
H318	Causes serious eye damage.				
H400	Very toxic to aquatic life.				
H410	Very toxic to aquatic life with long lasting effects.				
H412	Harmful to aquatic life with long lasting effects.				
EUH032	Contact with acids liberates very toxic gas.				
Insulin					
Adjustors					
H300	Fatal if swallowed.				
H302	Harmful if swallowed.				
H310	Fatal in contact with skin.				
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SECTION 16: Other information

H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH032	Contact with acids liberates very toxic gas.

Full text of classifications

Insulin Reagent		
Wedge		
Eye Irrit. 2	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2	
IMMULITE® Insulin		
Controls		
Acute Tox. 1	ACUTE TOXICITY - Category 1	
Acute Tox. 2	ACUTE TOXICITY - Category 2	
Acute Tox. 3	ACUTE TOXICITY - Category 3	
Acute Tox. 4 Aquatic Acute 1	ACUTE TOXICITY - Category 4 SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1	
Aquatic Acute 1 Aquatic Chronic 1	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1	
Aquatic Chronic 3	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3	
Eve Dam. 1	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1	
Skin Corr. 1B	SKIN CORROSION/IRRITATION - Category 1B	
Skin Sens. 1	SKIN SENSITISATION - Category 1	
Insulin Adjustors		
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) AQUATIC HAZARD - Category 1	
Aquatic Chronic 1	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1	
Aquatic Chronic 3	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3	
Eye Dam. 1	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1	
Skin Corr. 1B	SKIN CORROSION/IRRITATION - Category 1B	
Skin Sens. 1	SKIN SENSITISATION - Category 1	
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Date of issue/ Date of	: 12/13/2022	
revision		
Date of previous issue	e : No previous validation	
Version	: 1	

Notice to reader

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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.

Date of issue/Date of revision