

SAFETY DATA SHEET

SIEMENS

IMMULITE® 2000 SHBG

MSDS no.: L2KSH2_6

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

1.1 Product identifier

Product name : IMMULITE® 2000 SHBG
Product code : L2KSH2/6, 10381197, 10381198
Product description : Not available.

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

Not applicable.

1.3 Company/undertaking identification

Manufactured/supplied : Siemens Healthcare Diagnostics Limited
Sir William Siemens Square
Newton House
Camberley
Frimley
Surrey
GU16 8QD
UK

Phone: +44 (0) 1276 696000
Fax: +44 (0)1276 696133

e-mail address of person responsible for this SDS : dx.msds.healthcare@siemens.com

1.4 Emergency telephone number

: Poison Control:
In England and Wales:
NHS Direct – 0845 4647 or 111
In Scotland: NHS 24 – 08454 24 24 24
In the Republic of Ireland: 01 809 2166

CHEMTREC: 0870-8200418 (UK only)
00 + 1 + 703-527-3887 (UK & Ireland)
(International calls to the United Kingdom)

IMMULITE® 2000 SHBG

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

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition	: SHBG Reagent Wedge.	Mixture
	Immulate® 2000 SHBG Sample Diluent	Mixture
	SHBG Controls	Mixture
	SHBG Adjustors	Mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

SHBG Controls

ACUTE TOXICITY	ORAL	Category 4
ACUTE TOXICITY	SKIN	Category 4
LONG-TERM AQUATIC HAZARD		Category 3

SHBG Adjustors

ACUTE TOXICITY	ORAL	Category 4
ACUTE TOXICITY	SKIN	Category 4
LONG-TERM AQUATIC HAZARD		Category 3

SHBG Reagent Wedge.

The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.

Immulate® 2000 SHBG Sample Diluent

The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.

SHBG Controls

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

SHBG Adjustors

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

Ingredients of unknown toxicity	: SHBG Reagent Wedge.
	Immulate® 2000 SHBG Sample Diluent
	SHBG Controls
	SHBG Adjustors

Ingredients of unknown ecotoxicity	: SHBG Reagent Wedge.
	Immulate® 2000 SHBG Sample Diluent
	SHBG Controls
	SHBG Adjustors

Classification according to Directive 1999/45/EC [DPD]

SHBG Reagent Wedge.

The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.

Immulate® 2000 SHBG Sample Diluent

The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.

SHBG Controls

The product is classified as dangerous according to Directive 1999/45/EC and its amendments.

SHBG Adjustors

The product is classified as dangerous according to Directive 1999/45/EC and its amendments.

SECTION 2: Hazards identification

Classification	: SHBG Reagent Wedge. Immulate® 2000 SHBG Sample Diluent SHBG Controls SHBG Adjustors	Not classified. Not classified. T; R25 R52/53 T; R25 R52/53
Physical/chemical hazards	: SHBG Reagent Wedge. Immulate® 2000 SHBG Sample Diluent SHBG Controls SHBG Adjustors	Not applicable. Not applicable. Not applicable. Not applicable.
Human health hazards	: SHBG Reagent Wedge. Immulate® 2000 SHBG Sample Diluent SHBG Controls SHBG Adjustors	Not applicable. Not applicable. Toxic if swallowed. Toxic if swallowed.
Environmental hazards	: SHBG Reagent Wedge. Immulate® 2000 SHBG Sample Diluent SHBG Controls SHBG Adjustors	Not applicable. Not applicable. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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

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

2.2 Label elements

Hazard pictograms

:



Signal word

:

SHBG Reagent Wedge. Immulate® 2000 SHBG Sample Diluent SHBG Controls SHBG Adjustors	No signal word. No signal word. Warning Warning
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Hazard statements

:

SHBG Reagent Wedge.	No known significant effects or critical hazards.
Immulate® 2000 SHBG Sample Diluent	No known significant effects or critical hazards.
SHBG Controls	H302 + H312 - Harmful if swallowed or in contact with skin. H412 - Harmful to aquatic life with long lasting effects.
SHBG Adjustors	H302 + H312 - Harmful if swallowed or in contact with skin. H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements

Prevention

:

SHBG Reagent Wedge. Immulate® 2000 SHBG Sample Diluent SHBG Controls	Not applicable. Not applicable. P280 - Wear protective gloves/protective clothing/eye protection/face protection. P273 - Avoid release to the environment.
SHBG Adjustors	P280 - Wear protective gloves/protective clothing/eye protection/face protection. P273 - Avoid release to the environment.

SECTION 2: Hazards identification

Response	: SHBG Reagent Wedge. Immulate® 2000 SHBG Sample Diluent SHBG Controls	Not applicable. Not applicable. P301 + P312 - IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell. P302 + P312 - IF ON SKIN: Call a POISON CENTER or physician if you feel unwell.
	SHBG Adjustors	P301 + P312 - IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell. P302 + P312 - IF ON SKIN: Call a POISON CENTER or physician if you feel unwell.
Storage	: SHBG Reagent Wedge. Immulate® 2000 SHBG Sample Diluent SHBG Controls SHBG Adjustors	Not applicable. Not applicable. Not applicable. Not applicable.
Disposal	: SHBG Reagent Wedge. Immulate® 2000 SHBG Sample Diluent SHBG Controls	Not applicable. Not applicable. P501 - Dispose of contents and container in accordance with all local, regional, and national regulations.
	SHBG Adjustors	P501 - Dispose of contents and container in accordance with all local, regional, and national regulations.
	:	
Hazardous ingredients	: SHBG Controls Sodium azide	
	SHBG Adjustors Sodium azide	
Supplemental label elements	: SHBG Reagent Wedge. Immulate® 2000 SHBG Sample Diluent SHBG Controls SHBG Adjustors	Safety data sheet available on request. Not applicable. Not applicable. Not applicable.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	: SHBG Reagent Wedge. Immulate® 2000 SHBG Sample Diluent SHBG Controls SHBG Adjustors	Not applicable. Not applicable. Not applicable. Not applicable.

2.3 Other hazards

Other hazards which do not result in classification	: SHBG Reagent Wedge. Immulate® 2000 SHBG Sample Diluent SHBG Controls SHBG Adjustors	None known. None known. None known. None known.
Additional information	: Not available.	
	Sodium azide may react with lead or copper plumbing to form highly explosive metal azides.	

IMMULITE® 2000 SHBG

SECTION 3: Composition/information on ingredients

Substance/mixture : SHBG Reagent Wedge. Mixture
 Immulite® 2000 SHBG Sample Diluent Mixture
 SHBG Controls Mixture
 SHBG Adjustors Mixture

Product/ingredient name	Identifiers	%	Classification		Type
			67/548/EEC	Regulation (EC) No. 1272/2008 [CLP]	
SHBG Reagent Wedge. aminocaproic acid	EC: 200-469-3 CAS: 60-32-2	>=1, <5	Not classified.	Eye Irrit. 2, H319	[1]
SHBG Controls sodium azide	EC: 247-852-1 CAS: 26628-22-8 Index: 011-004-00-7	>=1, <2.5	T+; R28 R32 N; R50/53	Acute Tox. 2, H300 Acute Tox. 1, H310 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	[1] [2]
SHBG Adjustors sodium azide	EC: 247-852-1 CAS: 26628-22-8 Index: 011-004-00-7	>=1, <2.5	T+; R28 R32 N; R50/53 See Section 16 for the full text of the R-phrases declared above.	Acute Tox. 2, H300 Acute Tox. 1, H310 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 See Section 16 for the full text of the H statements declared above.	[1] [2]

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs or vPvBs or have been assigned a workplace exposure limit and hence require reporting in this section.

Type

- [1] Substance classified with a health or environmental hazard
- [2] Substance with a workplace exposure limit
- [3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII
- [4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII
- [5] Substance of equivalent concern

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

SECTION 4: First aid measures

4.1 Description of first aid measures

Eye contact	: SHBG Reagent Wedge.	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.
	Immulite® 2000 SHBG Sample Diluent	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.
	SHBG Controls	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 attention if irritation occurs.

SECTION 4: First aid measures

	SHBG Adjustors	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 attention if irritation occurs.
Inhalation	: SHBG 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.
	Immulate® 2000 SHBG Sample Diluent	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.
	SHBG 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 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 fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
	SHBG Adjustors	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 fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

SECTION 4: First aid measures

Skin contact	: SHBG Reagent Wedge.	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	Immulite® 2000 SHBG Sample Diluent	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	SHBG 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.
	SHBG 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	: SHBG Reagent Wedge.	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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.
	Immulite® 2000 SHBG Sample Diluent	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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.
	SHBG Controls	Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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

SECTION 4: First aid measures

SHBG Adjustors

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. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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.

No action shall be taken involving any personal risk or without suitable training. No action shall be taken involving any personal risk or without suitable training. No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. 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.

Protection of first-aiders

: SHBG Reagent Wedge.

Immulate® 2000 SHBG Sample Diluent

SHBG Controls

SHBG Adjustors

4.2 Most important symptoms and effects, both acute and delayed

Potential acute health effects

Eye contact

: SHBG Reagent Wedge.

Immulate® 2000 SHBG Sample Diluent

SHBG Controls

SHBG Adjustors

No known significant effects or critical hazards.

No known significant effects or critical hazards.

No known significant effects or critical hazards.

No known significant effects or critical hazards.

SECTION 4: First aid measures

Inhalation	: SHBG Reagent Wedge.	Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
	Immulite® 2000 SHBG Sample Diluent	Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
	SHBG Controls	Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
	SHBG Adjustors	Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
Skin contact	: SHBG Reagent Wedge.	No known significant effects or critical hazards.
	Immulite® 2000 SHBG Sample Diluent	No known significant effects or critical hazards.
	SHBG Controls	Harmful in contact with skin.
	SHBG Adjustors	Harmful in contact with skin.
Ingestion	: SHBG Reagent Wedge.	No known significant effects or critical hazards.
	Immulite® 2000 SHBG Sample Diluent	No known significant effects or critical hazards.
	SHBG Controls	Harmful if swallowed.
	SHBG Adjustors	Harmful if swallowed.

Over-exposure signs/symptoms

Eye contact	: SHBG Reagent Wedge.	No specific data.
	Immulite® 2000 SHBG Sample Diluent	No specific data.
	SHBG Controls	No specific data.
	SHBG Adjustors	No specific data.
Inhalation	: SHBG Reagent Wedge.	No specific data.
	Immulite® 2000 SHBG Sample Diluent	No specific data.
	SHBG Controls	No specific data.
	SHBG Adjustors	No specific data.
Skin contact	: SHBG Reagent Wedge.	No specific data.
	Immulite® 2000 SHBG Sample Diluent	No specific data.
	SHBG Controls	No specific data.
	SHBG Adjustors	No specific data.
Ingestion	: SHBG Reagent Wedge.	No specific data.
	Immulite® 2000 SHBG Sample Diluent	No specific data.
	SHBG Controls	No specific data.
	SHBG Adjustors	No specific data.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician	: SHBG 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® 2000 SHBG Sample Diluent	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.
	SHBG Controls	In case of inhalation of decomposition

SECTION 4: First aid measures

products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

SHBG 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.

Specific treatments	: SHBG Reagent Wedge. Immolute® 2000 SHBG Sample Diluent SHBG Controls SHBG Adjustors	No specific treatment. No specific treatment. No specific treatment. No specific treatment.
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SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Use dry chemical, CO₂, water spray (fog) or foam.

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. 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.

Hazardous thermal decomposition products : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
nitrogen oxides
sulfur oxides
halogenated compounds
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. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

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. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

SECTION 6: Accidental release measures

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 materials for containment and cleaning up

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

Large spill : Stop leak if without risk. Move containers from spill area. 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. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product.

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

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

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 container.

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

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. 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.

Seveso II Directive - Reporting thresholds (in tonnes)

Danger criteria

Category	Notification and MAPP threshold	Safety report threshold
SHBG Controls C2: Toxic	50	200
SHBG Adjustors C2: Toxic	50	200

IMMULITE® 2000 SHBG

SECTION 7: Handling and storage

7.3 Specific end use(s)

Recommendations : Not available.

Industrial sector specific solutions : Not available.

SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker or exposure or environmental releases.

8.1 Control parameters

Occupational exposure limits

Product/ingredient name	Exposure limit values
SHBG Controls sodium azide	EH40/2005 WELs (United Kingdom (UK), 12/2011). Absorbed through skin. Notes: as NaN₃ STEL: 0.3 mg/m ³ , (as NaN ₃) 15 minutes. TWA: 0.1 mg/m ³ , (as NaN ₃) 8 hours.
SHBG Adjustors sodium azide	EH40/2005 WELs (United Kingdom (UK), 12/2011). Absorbed through skin. Notes: as NaN₃ STEL: 0.3 mg/m ³ , (as NaN ₃) 15 minutes. TWA: 0.1 mg/m ³ , (as NaN ₃) 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 monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

DNELs/DMELs

No DNELs/DMELs available.

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.

SECTION 8: Exposure controls/personal protection

- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
- Skin protection**
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
- 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

9.1 Information on basic physical and chemical properties

Appearance

Physical state	: SHBG Reagent Wedge.	Liquid.
	Immulite® 2000 SHBG Sample Diluent	Liquid.
	SHBG Controls	Solid.
	SHBG Adjustors	Solid.
Colour	: SHBG Reagent Wedge.	Colourless.
	Immulite® 2000 SHBG Sample Diluent	Colourless.
	SHBG Controls	Off-white.
	SHBG Adjustors	Off-white.
Odour	: SHBG Reagent Wedge.	Odourless.
	Immulite® 2000 SHBG Sample Diluent	Odourless.
	SHBG Controls	Bland.
	SHBG Adjustors	Bland.
pH	: SHBG Reagent Wedge.	7.95 to 8.05
	Immulite® 2000 SHBG Sample Diluent	7.95 to 8.05
	SHBG Controls	Not applicable.
	SHBG Adjustors	Not applicable.
Melting point/freezing point	: SHBG Reagent Wedge.	Not available.
	Immulite® 2000 SHBG Sample Diluent	Not available.
	SHBG Controls	Not available.
	SHBG Adjustors	Not available.
Initial boiling point and boiling range	: SHBG Reagent Wedge.	Not available.
	Immulite® 2000 SHBG Sample Diluent	Not available.
	SHBG Controls	Not available.
	SHBG Adjustors	Not available.

SECTION 9: Physical and chemical properties

Flash point	: SHBG Reagent Wedge. Immulite® 2000 SHBG Sample Diluent SHBG Controls SHBG Adjustors	Not available. Not available. Not available. Not available.
Evaporation rate	: SHBG Reagent Wedge. Immulite® 2000 SHBG Sample Diluent SHBG Controls SHBG Adjustors	Not available. Not available. Not available. Not available.
Flammability (solid, gas)	: SHBG Reagent Wedge. Immulite® 2000 SHBG Sample Diluent SHBG Controls SHBG Adjustors	Not available. Not available. Not available. Not available.
Burning time	: SHBG Reagent Wedge. Immulite® 2000 SHBG Sample Diluent SHBG Controls SHBG Adjustors	Not applicable. Not applicable. Not available. Not available.
Burning rate	: SHBG Reagent Wedge. Immulite® 2000 SHBG Sample Diluent SHBG Controls SHBG Adjustors	Not applicable. Not applicable. Not available. Not available.
Upper/lower flammability or explosive limits	: SHBG Reagent Wedge. Immulite® 2000 SHBG Sample Diluent SHBG Controls SHBG Adjustors	Not available. Not available. Not available. Not available.
Vapour pressure	: SHBG Reagent Wedge. Immulite® 2000 SHBG Sample Diluent SHBG Controls SHBG Adjustors	Not available. Not available. Not available. Not available.
Solubility in water	: SHBG Reagent Wedge. Immulite® 2000 SHBG Sample Diluent SHBG Controls SHBG Adjustors	Not available. Not available. Not available. Not available.
Partition coefficient: n-octanol/ water	: SHBG Reagent Wedge. Immulite® 2000 SHBG Sample Diluent SHBG Controls SHBG Adjustors	Not available. Not available. Not available. Not available.
Auto-ignition temperature	: SHBG Reagent Wedge. Immulite® 2000 SHBG Sample Diluent SHBG Controls SHBG Adjustors	Not available. Not available. Not available. Not available.
Decomposition temperature	: SHBG Reagent Wedge. Immulite® 2000 SHBG Sample Diluent SHBG Controls SHBG Adjustors	Not available. Not available. Not available. Not available.
Viscosity	: SHBG Reagent Wedge. Immulite® 2000 SHBG Sample Diluent SHBG Controls SHBG Adjustors	Not available. Not available. Not available. Not available.
Explosive properties	: SHBG Reagent Wedge. Immulite® 2000 SHBG Sample Diluent SHBG Controls SHBG Adjustors	Not available. Not available. Explosive in the presence of the following materials or conditions: metals, acids and moisture. Explosive in the presence of the following materials or conditions: metals, acids and moisture.

SECTION 9: Physical and chemical properties

Oxidising properties	: SHBG Reagent Wedge.	Not available.
	Immulite® 2000 SHBG Sample Diluent	Not available.
	SHBG Controls	Not available.
	SHBG Adjustors	Not available.

9.2 Other information

SADT : Not available.

Aerosol product

Type of aerosol : Not applicable.

Heat of combustion : Not available.

Ignition distance : Not applicable.

Enclosed space ignition - Time equivalent : Not applicable.

Enclosed space ignition - Deflagration density : Not applicable.

Flame height : Not applicable.

Flame duration : Not applicable.

SECTION 10: Stability and reactivity

10.1 Reactivity	: SHBG Reagent Wedge.	No specific test data related to reactivity available for this product or its ingredients.
	Immulite® 2000 SHBG Sample Diluent	No specific test data related to reactivity available for this product or its ingredients.
	SHBG Controls	No specific test data related to reactivity available for this product or its ingredients.
	SHBG Adjustors	No specific test data related to reactivity available for this product or its ingredients.
10.2 Chemical stability	: SHBG Reagent Wedge.	The product is stable.
	Immulite® 2000 SHBG Sample Diluent	The product is stable.
	SHBG Controls	The product is stable.
	SHBG Adjustors	The product is stable.
10.3 Possibility of hazardous reactions	: SHBG Reagent Wedge.	Under normal conditions of storage and use, hazardous reactions will not occur.
	Immulite® 2000 SHBG Sample Diluent	Under normal conditions of storage and use, hazardous reactions will not occur.
	SHBG Controls	Under normal conditions of storage and use, hazardous reactions will not occur.
	SHBG Adjustors	Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Conditions to avoid	: SHBG Reagent Wedge.	No specific data.
	Immulite® 2000 SHBG Sample Diluent	No specific data.
	SHBG Controls	No specific data.
	SHBG Adjustors	No specific data.

IMMULITE® 2000 SHBG

SECTION 10: Stability and reactivity

10.5 Incompatible materials	: SHBG Reagent Wedge. Immulate® 2000 SHBG Sample Diluent SHBG Controls SHBG Adjustors	No specific data. No specific data. No specific data. No specific data.
10.6 Hazardous decomposition products	: SHBG Reagent Wedge. Immulate® 2000 SHBG Sample Diluent SHBG Controls SHBG Adjustors	Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. 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
SHBG Controls sodium azide	LD50 Dermal	Rabbit	20 mg/kg	-
	LD50 Dermal	Rat	50 mg/kg	-
	LD50 Oral	Rat	27 mg/kg	-
SHBG Adjustors sodium azide	LD50 Dermal	Rabbit	20 mg/kg	-
	LD50 Dermal	Rat	50 mg/kg	-
	LD50 Oral	Rat	27 mg/kg	-

Conclusion/Summary	: SHBG Reagent Wedge. Immulate® 2000 SHBG Sample Diluent SHBG Controls SHBG Adjustors	Not available. Not available. Not available. Not available.
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Acute toxicity estimates

Route	ATE value
SHBG Controls Oral Dermal	1928.6 mg/kg 1428.6 mg/kg
SHBG Adjustors Oral Dermal	1928.6 mg/kg 1428.6 mg/kg

Irritation/Corrosion

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

Conclusion/Summary

Skin	: SHBG Reagent Wedge. Immulate® 2000 SHBG Sample Diluent SHBG Controls SHBG Adjustors	Not available. Not available. Not available. Not available.
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SECTION 11: Toxicological information

Eyes	: SHBG Reagent Wedge. Immulate® 2000 SHBG Sample Diluent SHBG Controls SHBG Adjustors	Not available. Not available. Not available. Not available.
Respiratory	: SHBG Reagent Wedge. Immulate® 2000 SHBG Sample Diluent SHBG Controls SHBG Adjustors	Not available. Not available. Not available. Not available.
<u>Sensitisation</u>		
Conclusion/Summary		
Skin	: SHBG Reagent Wedge. Immulate® 2000 SHBG Sample Diluent SHBG Controls SHBG Adjustors	Not available. Not available. Not available. Not available.
Respiratory	: SHBG Reagent Wedge. Immulate® 2000 SHBG Sample Diluent SHBG Controls SHBG Adjustors	Not available. Not available. Not available. Not available.
<u>Mutagenicity</u>		
Conclusion/Summary		
Skin	: SHBG Reagent Wedge. Immulate® 2000 SHBG Sample Diluent SHBG Controls SHBG Adjustors	Not available. Not available. Not available. Not available.
<u>Carcinogenicity</u>		
Conclusion/Summary		
Skin	: SHBG Reagent Wedge. Immulate® 2000 SHBG Sample Diluent SHBG Controls SHBG Adjustors	Not available. Not available. Not available. Not available.
<u>Reproductive toxicity</u>		
Conclusion/Summary		
Skin	: SHBG Reagent Wedge. Immulate® 2000 SHBG Sample Diluent SHBG Controls SHBG Adjustors	Not available. Not available. Not available. Not available.
<u>Teratogenicity</u>		
Conclusion/Summary		
Skin	: SHBG Reagent Wedge. Immulate® 2000 SHBG Sample Diluent SHBG Controls SHBG Adjustors	Not available. Not available. Not available. Not available.
<u>Specific target organ toxicity (single exposure)</u>		
Not available.		
<u>Specific target organ toxicity (repeated exposure)</u>		
Not available.		
<u>Aspiration hazard</u>		
Not available.		
Information on the likely routes of exposure	: Not available.	
<u>Potential acute health effects</u>		

SECTION 11: Toxicological information

Eye contact	: SHBG Reagent Wedge.	No known significant effects or critical hazards.
	Immulate® 2000 SHBG Sample Diluent	No known significant effects or critical hazards.
	SHBG Controls	No known significant effects or critical hazards.
	SHBG Adjustors	No known significant effects or critical hazards.
Inhalation	: SHBG Reagent Wedge.	Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
	Immulate® 2000 SHBG Sample Diluent	Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
	SHBG Controls	Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
	SHBG Adjustors	Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
Skin contact	: SHBG Reagent Wedge.	No known significant effects or critical hazards.
	Immulate® 2000 SHBG Sample Diluent	No known significant effects or critical hazards.
	SHBG Controls	Harmful in contact with skin.
	SHBG Adjustors	Harmful in contact with skin.
Ingestion	: SHBG Reagent Wedge.	No known significant effects or critical hazards.
	Immulate® 2000 SHBG Sample Diluent	No known significant effects or critical hazards.
	SHBG Controls	Harmful if swallowed.
	SHBG Adjustors	Harmful if swallowed.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact	: SHBG Reagent Wedge.	No specific data.
	Immulate® 2000 SHBG Sample Diluent	No specific data.
	SHBG Controls	No specific data.
	SHBG Adjustors	No specific data.
Inhalation	: SHBG Reagent Wedge.	No specific data.
	Immulate® 2000 SHBG Sample Diluent	No specific data.
	SHBG Controls	No specific data.
	SHBG Adjustors	No specific data.
Skin contact	: SHBG Reagent Wedge.	No specific data.
	Immulate® 2000 SHBG Sample Diluent	No specific data.
	SHBG Controls	No specific data.
	SHBG Adjustors	No specific data.
Ingestion	: SHBG Reagent Wedge.	No specific data.
	Immulate® 2000 SHBG Sample Diluent	No specific data.
	SHBG Controls	No specific data.
	SHBG Adjustors	No specific data.

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

Short term exposure

SECTION 11: Toxicological information

Potential immediate effects	: SHBG Reagent Wedge. Immulite® 2000 SHBG Sample Diluent SHBG Controls SHBG Adjustors	Not available. Not available. Not available. Not available.
Potential delayed effects	: SHBG Reagent Wedge. Immulite® 2000 SHBG Sample Diluent SHBG Controls SHBG Adjustors	Not available. Not available. Not available. Not available.
<u>Long term exposure</u>		
Potential immediate effects	: SHBG Reagent Wedge. Immulite® 2000 SHBG Sample Diluent SHBG Controls SHBG Adjustors	Not available. Not available. Not available. Not available.
Potential delayed effects	: SHBG Reagent Wedge. Immulite® 2000 SHBG Sample Diluent SHBG Controls SHBG Adjustors	Not available. Not available. Not available. Not available.
<u>Potential chronic health effects</u>		
Not available.		
Conclusion/Summary	: SHBG Reagent Wedge. Immulite® 2000 SHBG Sample Diluent SHBG Controls SHBG Adjustors	Not available. Not available. Not available. Not available.
General	: SHBG Reagent Wedge. Immulite® 2000 SHBG Sample Diluent SHBG Controls SHBG Adjustors	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
Carcinogenicity	: SHBG Reagent Wedge. Immulite® 2000 SHBG Sample Diluent SHBG Controls SHBG Adjustors	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
Mutagenicity	: SHBG Reagent Wedge. Immulite® 2000 SHBG Sample Diluent SHBG Controls SHBG Adjustors	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
Teratogenicity	: SHBG Reagent Wedge. Immulite® 2000 SHBG Sample Diluent SHBG Controls SHBG Adjustors	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.

IMMULITE® 2000 SHBG

SECTION 11: Toxicological information

Developmental effects	: SHBG Reagent Wedge. Immulate® 2000 SHBG Sample Diluent SHBG Controls SHBG Adjustors	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
Fertility effects	: SHBG Reagent Wedge. Immulate® 2000 SHBG Sample Diluent SHBG Controls SHBG Adjustors	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
Interactive effects	:	
Other information	: Not available.	

SECTION 12: Ecological information

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
SHBG Controls sodium azide	Acute EC50 0.348 mg/l Fresh water	Algae - Pseudokirchneriella subcapitata	96 hours
	Acute EC50 4.2 to 6.2 mg/l Fresh water	Daphnia - Daphnia pulex - Larvae	48 hours
	Acute LC50 9000 µg/l Fresh water	Crustaceans - Gammarus lacustris	48 hours
	Acute LC50 0.68 mg/l Fresh water Chronic NOEC 5600 µg/l Marine water	Fish - Lepomis macrochirus Algae - Macrocystis pyrifera	96 hours 96 hours
SHBG Adjustors sodium azide	Acute EC50 0.348 mg/l Fresh water	Algae - Pseudokirchneriella subcapitata	96 hours
	Acute EC50 4.2 to 6.2 mg/l Fresh water	Daphnia - Daphnia pulex - Larvae	48 hours
	Acute LC50 9000 µg/l Fresh water	Crustaceans - Gammarus lacustris	48 hours
	Acute LC50 0.68 mg/l Fresh water Chronic NOEC 5600 µg/l Marine water	Fish - Lepomis macrochirus Algae - Macrocystis pyrifera	96 hours 96 hours

Conclusion/Summary	: SHBG Reagent Wedge. Immulate® 2000 SHBG Sample Diluent SHBG Controls SHBG Adjustors	Not available. Not available. Not available. Not available.
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12.2 Persistence and degradability

Conclusion/Summary	: SHBG Reagent Wedge. Immulate® 2000 SHBG Sample Diluent SHBG Controls SHBG Adjustors	Not available. Not available. Not available. Not available.
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12.3 Bioaccumulative potential

SECTION 12: Ecological information

Product/ingredient name	LogP _{ow}	BCF	Potential
SHBG Reagent Wedge. aminocaproic acid	-2.95	-	low

12.4 Mobility in soil

Soil/water partition coefficient (K_{oc})	: SHBG Reagent Wedge. Immolute® 2000 SHBG Sample Diluent SHBG Controls SHBG Adjustors	Not available. Not available. Not available. Not available.
Mobility	: SHBG Reagent Wedge. Immolute® 2000 SHBG Sample Diluent SHBG Controls SHBG Adjustors	Not available. Not available. Not available. Not available.

12.5 Results of PBT and vPvB assessment

PBT	: SHBG Reagent Wedge. Immolute® 2000 SHBG Sample Diluent SHBG Controls SHBG Adjustors	Not applicable. Not applicable. Not applicable. Not applicable.
vPvB	: SHBG Reagent Wedge. Immolute® 2000 SHBG Sample Diluent SHBG Controls SHBG Adjustors	Not applicable. Not applicable. Not applicable. Not applicable.

12.6 Other adverse effects	: SHBG Reagent Wedge. Immolute® 2000 SHBG Sample Diluent SHBG Controls SHBG Adjustors	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
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SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

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	: SHBG Reagent Wedge. Immolute® 2000 SHBG Sample Diluent SHBG Controls SHBG Adjustors	Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 91/689/EEC. Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 91/689/EEC. The classification of the product may meet the criteria for a hazardous waste. The classification of the product may

SECTION 13: Disposal considerations

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.

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	SHBG Reagent Wedge.	Not regulated.
	Immulite® 2000 SHBG Sample Diluent	Not regulated.
	SHBG Controls	Not regulated.
	SHBG Adjustors	Not regulated.

14.2 UN proper shipping name	SHBG Reagent Wedge.	-
	Immulite® 2000 SHBG Sample Diluent	-
	SHBG Controls	-
	SHBG Adjustors	-

14.3 Transport hazard class(es)	SHBG Reagent Wedge.	-
	Immulite® 2000 SHBG Sample Diluent	-
	SHBG Controls	-
	SHBG Adjustors	-

14.4 Packing group	SHBG Reagent Wedge.	-
	Immulite® 2000 SHBG Sample Diluent	-
	SHBG Controls	-
	SHBG Adjustors	-

14.5 Environmental hazards	SHBG Reagent Wedge.	No.
	Immulite® 2000 SHBG Sample Diluent	No.
	SHBG Controls	No.
	SHBG Adjustors	No.

Additional information	SHBG Reagent Wedge.	-
	Immulite® 2000 SHBG Sample Diluent	-
	SHBG Controls	-
	SHBG Adjustors	-

ADN

14.1 UN number	SHBG Reagent Wedge.	Not regulated.
	Immulite® 2000 SHBG Sample Diluent	Not regulated.
	SHBG Controls	Not regulated.
	SHBG Adjustors	Not regulated.

14.2 UN proper shipping name	SHBG Reagent Wedge.	-
	Immulite® 2000 SHBG Sample Diluent	-
	SHBG Controls	-
	SHBG Adjustors	-

SECTION 14: Transport information

14.3 Transport hazard class(es)	SHBG Reagent Wedge. Immulate® 2000 SHBG Sample Diluent SHBG Controls SHBG Adjustors	- - - -
14.4 Packing group	SHBG Reagent Wedge. Immulate® 2000 SHBG Sample Diluent SHBG Controls SHBG Adjustors	- - - -
14.5 Environmental hazards	SHBG Reagent Wedge. Immulate® 2000 SHBG Sample Diluent SHBG Controls SHBG Adjustors	No. No. No. No.
Additional information	SHBG Reagent Wedge. Immulate® 2000 SHBG Sample Diluent SHBG Controls SHBG Adjustors	- - - -
IMDG		
14.1 UN number	SHBG Reagent Wedge. Immulate® 2000 SHBG Sample Diluent SHBG Controls SHBG Adjustors	Not regulated. Not regulated. Not regulated. Not regulated.
14.2 UN proper shipping name	SHBG Reagent Wedge. Immulate® 2000 SHBG Sample Diluent SHBG Controls SHBG Adjustors	- - - -
14.3 Transport hazard class(es)	SHBG Reagent Wedge. Immulate® 2000 SHBG Sample Diluent SHBG Controls SHBG Adjustors	- - - -
14.4 Packing group	SHBG Reagent Wedge. Immulate® 2000 SHBG Sample Diluent SHBG Controls SHBG Adjustors	- - - -
14.5 Environmental hazards	SHBG Reagent Wedge. Immulate® 2000 SHBG Sample Diluent SHBG Controls SHBG Adjustors	No. No. No. No.
Additional information	SHBG Reagent Wedge. Immulate® 2000 SHBG Sample Diluent SHBG Controls SHBG Adjustors	- - - -
IATA		
14.1 UN number	SHBG Reagent Wedge. Immulate® 2000 SHBG Sample Diluent SHBG Controls SHBG Adjustors	Not regulated. Not regulated. Not regulated. Not regulated.

SECTION 14: Transport information

14.2 UN proper shipping name	SHBG Reagent Wedge.	-	
	Immulite® 2000 SHBG Sample Diluent	-	
	SHBG Controls	-	
	SHBG Adjustors	-	
14.3 Transport hazard class(es)	SHBG Reagent Wedge.	-	
	Immulite® 2000 SHBG Sample Diluent	-	
	SHBG Controls	-	
	SHBG Adjustors	-	
14.4 Packing group	SHBG Reagent Wedge.	-	
	Immulite® 2000 SHBG Sample Diluent	-	
	SHBG Controls	-	
	SHBG Adjustors	-	
14.5 Environmental hazards	SHBG Reagent Wedge.	No.	
	Immulite® 2000 SHBG Sample Diluent	No.	
	SHBG Controls	No.	
	SHBG Adjustors	No.	
Additional information	SHBG Reagent Wedge.	-	
	Immulite® 2000 SHBG Sample Diluent	-	
	SHBG Controls	-	
	SHBG Adjustors	-	
14.6 Special precautions for user	SHBG 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® 2000 SHBG Sample Diluent		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.
	SHBG 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.
	SHBG Adjustors		Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code		: Not available.	

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EU Regulation (EC) No. 1907/2006 (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.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	: SHBG Reagent Wedge.	Not applicable.
	: Immulite® 2000 SHBG Sample Diluent	Not applicable.
	: SHBG Controls	Not applicable.
	: SHBG Adjustors	Not applicable.

Other EU regulations

Europe inventory : Not determined.

Seveso II Directive

SHBG Reagent Wedge.	This product is not controlled under the Seveso II Directive.
Immulite® 2000 SHBG Sample Diluent	This product is not controlled under the Seveso II Directive.
SHBG Controls	This product is not controlled under the Seveso II Directive.
SHBG Adjustors	This product is not controlled under the Seveso II Directive.

Danger criteria

Category

SHBG Controls

C2: Toxic

SHBG Adjustors

C2: Toxic

International regulations

Chemical Weapons Convention List Schedule I Chemicals	: SHBG Reagent Wedge.	Not listed
	: Immulite® 2000 SHBG Sample Diluent	Not listed
	: SHBG Controls	Not listed
	: SHBG Adjustors	Not listed
Chemical Weapons Convention List Schedule II Chemicals	: SHBG Reagent Wedge.	Not listed
	: Immulite® 2000 SHBG Sample Diluent	Not listed
	: SHBG Controls	Not listed
	: SHBG Adjustors	Not listed
Chemical Weapons Convention List Schedule III Chemicals	: SHBG Reagent Wedge.	Not listed
	: Immulite® 2000 SHBG Sample Diluent	Not listed
	: SHBG Controls	Not listed
	: SHBG Adjustors	Not listed

15.2 Chemical Safety Assessment : Not applicable.

SECTION 16: Other information

Abbreviations and acronyms : ATE = Acute Toxicity Estimate
 CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
 DMEL = Derived Minimal Effect Level
 DNEL = Derived No Effect Level
 EUH statement = CLP-specific Hazard statement
 PBT = Persistent, Bioaccumulative and Toxic
 PNEC = Predicted No Effect Concentration
 RRN = REACH Registration Number
 vPvB = Very Persistent and Very Bioaccumulative

<p>SHBG Controls Acute Tox. 4, H302 Acute Tox. 4, H312 Aquatic Chronic 3, H412</p> <p>SHBG Adjustors Acute Tox. 4, H302 Acute Tox. 4, H312 Aquatic Chronic 3, H412</p>	<p>Calculation method Calculation method Calculation method</p> <p>Calculation method Calculation method Calculation method</p>
<p>Full text of abbreviated H statements : SHBG Reagent Wedge. H319</p> <p>SHBG Controls H300 H302 H310 H312 H400 H410 H412</p> <p>SHBG Adjustors H300 H302 H310 H312 H400 H410 H412</p>	<p>Causes serious eye irritation.</p> <p>Fatal if swallowed. Harmful if swallowed. Fatal in contact with skin. Harmful in contact with skin. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects. Harmful to aquatic life with long lasting effects.</p> <p>Fatal if swallowed. Harmful if swallowed. Fatal in contact with skin. Harmful in contact with skin. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects. Harmful to aquatic life with long lasting effects.</p>
<p>Full text of classifications [CLP/GHS] : SHBG Reagent Wedge. Eye Irrit. 2, H319</p> <p>SHBG Controls Acute Tox. 1, H310 Acute Tox. 2, H300 Acute Tox. 4, H302 Acute Tox. 4, H312 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 Aquatic Chronic 3, H412</p> <p>SHBG Adjustors Acute Tox. 1, H310 Acute Tox. 2, H300 Acute Tox. 4, H302 Acute Tox. 4, H312 Aquatic Acute 1, H400</p>	<p>SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2</p> <p>ACUTE TOXICITY: SKIN - Category 1 ACUTE TOXICITY: ORAL - Category 2 ACUTE TOXICITY: ORAL - Category 4 ACUTE TOXICITY: SKIN - Category 4 ACUTE AQUATIC HAZARD - Category 1 LONG-TERM AQUATIC HAZARD - Category 1 LONG-TERM AQUATIC HAZARD - Category 3</p> <p>ACUTE TOXICITY: SKIN - Category 1 ACUTE TOXICITY: ORAL - Category 2 ACUTE TOXICITY: ORAL - Category 4 ACUTE TOXICITY: SKIN - Category 4 ACUTE AQUATIC HAZARD - Category 1</p>

SECTION 16: Other information

Full text of abbreviated R phrases	: Aquatic Chronic 1, H410 LONG-TERM AQUATIC HAZARD - Category 1 Aquatic Chronic 3, H412 LONG-TERM AQUATIC HAZARD - Category 3 R28- Very toxic if swallowed. R25- Toxic if swallowed. R32- Contact with acids liberates very toxic gas. R50/53- Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R52/53- Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Full text of classifications [DSD/DPD]	: T+ - Very toxic T - Toxic N - Dangerous for the environment
Date of printing	: 1/16/2016.
Date of issue/ Date of revision	: 1/15/2016.
Date of previous issue	: 5/6/2015.
Version	: 4

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.