

SAFETY DATA SHEET

SIEMENS

IMMULITE® 1000 Calcitonin.

SDS no.:

LKCL1

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

1.1 Product identifier

Product name : IMMULITE® 1000 Calcitonin.
Product code : LKCL1, 10381401

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

Identified uses Diagnostic agents.
Restrictions on use For professional users only.

1.3 Details of the supplier of the safety data sheet

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)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition : Calcitonin Reagent Wedge Mixture
Calcitonin Adjustors Mixture

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

Not classified.

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

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

SECTION 2: Hazards identification

2.2 Label elements

Signal word	: Calcitonin Reagent Wedge Calcitonin Adjustors	No signal word. No signal word.
Hazard statements	: Calcitonin Reagent Wedge Calcitonin Adjustors	Not applicable. Not applicable.
<u>Precautionary statements</u>		
Prevention	: Calcitonin Reagent Wedge Calcitonin Adjustors	Not applicable. Not applicable.
Response	: Calcitonin Reagent Wedge Calcitonin Adjustors	Not applicable. Not applicable.
Storage	: Calcitonin Reagent Wedge Calcitonin Adjustors	Not applicable. Not applicable.
Disposal	: Calcitonin Reagent Wedge Calcitonin Adjustors	Not applicable. Not applicable.
Supplemental label elements	: Calcitonin Reagent Wedge Calcitonin Adjustors	Safety data sheet available on request. Not applicable.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	: Calcitonin Reagent Wedge Calcitonin Adjustors	Not applicable. Not applicable.

2.3 Other hazards

Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII	: Calcitonin Reagent Wedge Calcitonin Adjustors Calcitonin Reagent Wedge Calcitonin Adjustors	Not applicable. Not applicable. P: Not available. B: Not available. T: Not available. P: Not available. B: Not available. T: Not available.
Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII	: Calcitonin Reagent Wedge Calcitonin Adjustors Calcitonin Reagent Wedge Calcitonin Adjustors	Not applicable. Not applicable. vP: Not available. vB: Not available. vP: Not available. vB: Not available.
Other hazards which do not result in classification	: Calcitonin Reagent Wedge Calcitonin Adjustors	None known. None known.
Additional information	: Potentially biohazardous material.	

SECTION 3: Composition/information on ingredients

3.2 Mixtures	: Calcitonin Reagent Wedge Calcitonin Adjustors	Mixture Mixture
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IMMULITE® 1000 Calcitonin.

SECTION 3: Composition/information on ingredients

Product/ingredient name	Identifiers	%	Classification	
			Regulation (EC) No. 1272/2008 [CLP]	Type
Calcitonin Reagent Wedge aminocaproic acid	EC: 200-469-3 CAS: 60-32-2	≤3	Eye Irrit. 2, H319 See Section 16 for the full text of the H statements declared above.	[1]

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, vPvBs or Substances of equivalent concern, 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	: Calcitonin 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.
	Calcitonin Adjustors	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
Inhalation	: Calcitonin 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.
	Calcitonin Adjustors	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.

SECTION 4: First aid measures

Skin contact	: Calcitonin Reagent Wedge	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	Calcitonin Adjustors	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Ingestion	: Calcitonin 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.
	Calcitonin Adjustors	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.
Protection of first-aiders	: Calcitonin Reagent Wedge	No action shall be taken involving any personal risk or without suitable training.
	Calcitonin Adjustors	No action shall be taken involving any personal risk or without suitable training.

4.2 Most important symptoms and effects, both acute and delayed

Potential acute health effects

Eye contact	: Calcitonin Reagent Wedge	No known significant effects or critical hazards.
	Calcitonin Adjustors	No known significant effects or critical hazards.
Inhalation	: Calcitonin Reagent Wedge	No known significant effects or critical hazards.
	Calcitonin Adjustors	No known significant effects or critical hazards.
Skin contact	: Calcitonin Reagent Wedge	No known significant effects or critical hazards.
	Calcitonin Adjustors	No known significant effects or critical hazards.
Ingestion	: Calcitonin Reagent Wedge	No known significant effects or critical hazards.
	Calcitonin Adjustors	No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact	: Calcitonin Reagent Wedge	No specific data.
	Calcitonin Adjustors	No specific data.
Inhalation	: Calcitonin Reagent Wedge	No specific data.
	Calcitonin Adjustors	No specific data.

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SECTION 4: First aid measures

Skin contact	: Calcitonin Reagent Wedge Calcitonin Adjustors	No specific data. No specific data.
Ingestion	: Calcitonin Reagent Wedge Calcitonin Adjustors	No specific data. No specific data.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician	: Calcitonin Reagent Wedge Calcitonin 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. 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	: Calcitonin Reagent Wedge Calcitonin Adjustors	No specific treatment. No specific treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media	: Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	: None known.

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture	: In a fire or if heated, a pressure increase will occur and the container may burst.
Hazardous 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. Put on appropriate personal protective equipment.
- For emergency responders** : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

- 6.2 Environmental precautions** : Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.3 Methods and material for containment and cleaning up

- Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor.

- 6.4 Reference to other sections** : See Section 1 for emergency contact information.
See Section 8 for information on appropriate personal protective equipment.
See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

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

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

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 exposure or environmental releases.

8.1 Control parameters

Occupational exposure limits

No exposure limit value known.

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.

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.

Impervious gloves (e.g. butyl, nitrile, etc.) are recommended if skin contact is possible and for processing operations. Protective gloves must meet the standards in accordance with CEN EN374, ASTM F1001 or international equivalent.

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.

SECTION 8: Exposure controls/personal protection

- 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

9.1 Information on basic physical and chemical properties

Appearance

Physical state	: Calcitonin Reagent Wedge Calcitonin Adjustors	Liquid. Solid.
Colour	: Calcitonin Reagent Wedge Calcitonin Adjustors	Colourless. Off-white.
Odour	: Calcitonin Reagent Wedge Calcitonin Adjustors	Odourless. Odourless.
Odour threshold	: Calcitonin Reagent Wedge Calcitonin Adjustors	Not relevant/applicable due to nature of the product. Not relevant/applicable due to nature of the product.
pH	: Calcitonin Reagent Wedge Calcitonin Adjustors	7.34 to 7.45 Not applicable.
Melting point/freezing point	: Calcitonin Reagent Wedge Calcitonin Adjustors	Not available. Not available.
Initial boiling point and boiling range	: Calcitonin Reagent Wedge Calcitonin Adjustors	Not available. Not available.
Flash point	: Calcitonin Reagent Wedge Calcitonin Adjustors	Not available. Not available.
Evaporation rate	: Calcitonin Reagent Wedge Calcitonin Adjustors	Not relevant/applicable due to nature of the product. Not relevant/applicable due to nature of the product.
Flammability (solid, gas)	: Calcitonin Reagent Wedge Calcitonin Adjustors	Not relevant/applicable due to nature of the product. Not relevant/applicable due to nature of the product.
Upper/lower flammability or explosive limits	: Calcitonin Reagent Wedge Calcitonin Adjustors	Not relevant/applicable due to nature of the product. Not relevant/applicable due to nature of the product.
Vapour pressure	: Calcitonin Reagent Wedge Calcitonin Adjustors	Not relevant/applicable due to nature of the product. Not relevant/applicable due to nature of the product.
Vapour density	: Calcitonin Reagent Wedge Calcitonin Adjustors	Not relevant/applicable due to nature of the product. Not relevant/applicable due to nature of the product.
Relative density	: Calcitonin Reagent Wedge Calcitonin Adjustors	1 Not relevant/applicable due to nature of the product.

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SECTION 9: Physical and chemical properties

Solubility(ies)	: Calcitonin Reagent Wedge Calcitonin Adjustors	Not relevant/applicable due to nature of the product. Not relevant/applicable due to nature of the product.
Solubility in water	: Calcitonin Reagent Wedge Calcitonin Adjustors	Not relevant/applicable due to nature of the product. Not relevant/applicable due to nature of the product.
Partition coefficient: n-octanol/ water	: Not relevant/applicable due to nature of the product.	
Auto-ignition temperature	: Calcitonin Reagent Wedge Calcitonin Adjustors	Not relevant/applicable due to nature of the product. Not relevant/applicable due to nature of the product.
Decomposition temperature	: Calcitonin Reagent Wedge Calcitonin Adjustors	Not relevant/applicable due to nature of the product. Not relevant/applicable due to nature of the product.
Viscosity	: Not relevant/applicable due to nature of the product.	
Explosive properties	: Calcitonin Reagent Wedge Calcitonin Adjustors	Not relevant/applicable due to nature of the product. Not relevant/applicable due to nature of the product.
Oxidising properties	: Not relevant/applicable due to nature of the product.	

9.2 Other information

Not relevant/applicable due to nature of the product.

SECTION 10: Stability and reactivity

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

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SECTION 10: Stability and reactivity

10.6 Hazardous decomposition products	: Calcitonin Reagent Wedge Calcitonin 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.
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SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Conclusion/Summary	: Calcitonin Reagent Wedge Calcitonin Adjustors	Not available. Not available.
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Acute toxicity estimates

Not available.

Irritation/Corrosion

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

Conclusion/Summary

Skin	: Calcitonin Reagent Wedge Calcitonin Adjustors	Not available. Not available.
Eyes	: Calcitonin Reagent Wedge Calcitonin Adjustors	Not available. Not available.
Respiratory	: Calcitonin Reagent Wedge Calcitonin Adjustors	Not available. Not available.

Sensitisation

Conclusion/Summary

Skin	: Calcitonin Reagent Wedge Calcitonin Adjustors	Not available. Not available.
Respiratory	: Calcitonin Reagent Wedge Calcitonin Adjustors	Not available. Not available.

Mutagenicity

Conclusion/Summary	: Calcitonin Reagent Wedge Calcitonin Adjustors	Not available. Not available.
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Carcinogenicity

Conclusion/Summary	: Calcitonin Reagent Wedge Calcitonin Adjustors	Not available. Not available.
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Reproductive toxicity

Conclusion/Summary	: Calcitonin Reagent Wedge Calcitonin Adjustors	Not available. Not available.
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Teratogenicity

Conclusion/Summary	: Calcitonin Reagent Wedge Calcitonin Adjustors	Not available. Not available.
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Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

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SECTION 11: Toxicological information

Aspiration hazard

Not available.

Information on likely routes of exposure : Calcitonin Reagent Wedge Not available.
Calcitonin Adjustors Not available.

Potential acute health effects

Eye contact : Calcitonin Reagent Wedge No known significant effects or critical hazards.
Calcitonin Adjustors No known significant effects or critical hazards.

Inhalation : Calcitonin Reagent Wedge No known significant effects or critical hazards.
Calcitonin Adjustors No known significant effects or critical hazards.

Skin contact : Calcitonin Reagent Wedge No known significant effects or critical hazards.
Calcitonin Adjustors No known significant effects or critical hazards.

Ingestion : Calcitonin Reagent Wedge No known significant effects or critical hazards.
Calcitonin Adjustors No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : Calcitonin Reagent Wedge No specific data.
Calcitonin Adjustors No specific data.

Inhalation : Calcitonin Reagent Wedge No specific data.
Calcitonin Adjustors No specific data.

Skin contact : Calcitonin Reagent Wedge No specific data.
Calcitonin Adjustors No specific data.

Ingestion : Calcitonin Reagent Wedge No specific data.
Calcitonin Adjustors No specific data.

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

Short term exposure

Potential immediate effects : Calcitonin Reagent Wedge Not available.
Calcitonin Adjustors Not available.

Potential delayed effects : Calcitonin Reagent Wedge Not available.
Calcitonin Adjustors Not available.

Long term exposure

Potential immediate effects : Calcitonin Reagent Wedge Not available.
Calcitonin Adjustors Not available.

Potential delayed effects : Calcitonin Reagent Wedge Not available.
Calcitonin Adjustors Not available.

Potential chronic health effects

Not available.

Conclusion/Summary : Calcitonin Reagent Wedge Not available.
Calcitonin Adjustors Not available.

SECTION 11: Toxicological information

General	: Calcitonin Reagent Wedge Calcitonin Adjustors	No known significant effects or critical hazards. No known significant effects or critical hazards.
Carcinogenicity	: Calcitonin Reagent Wedge Calcitonin Adjustors	No known significant effects or critical hazards. No known significant effects or critical hazards.
Mutagenicity	: Calcitonin Reagent Wedge Calcitonin Adjustors	No known significant effects or critical hazards. No known significant effects or critical hazards.
Teratogenicity	: Calcitonin Reagent Wedge Calcitonin Adjustors	No known significant effects or critical hazards. No known significant effects or critical hazards.
Developmental effects	: Calcitonin Reagent Wedge Calcitonin Adjustors	No known significant effects or critical hazards. No known significant effects or critical hazards.
Fertility effects	: Calcitonin Reagent Wedge Calcitonin Adjustors	No known significant effects or critical hazards. No known significant effects or critical hazards.
Interactive effects	: Calcitonin Reagent Wedge Calcitonin Adjustors	Not available. Not available.
<u>Toxicokinetics</u>		
Absorption	: Calcitonin Reagent Wedge Calcitonin Adjustors	Not available. Not available.
Distribution	: Calcitonin Reagent Wedge Calcitonin Adjustors	Not available. Not available.
Metabolism	: Calcitonin Reagent Wedge Calcitonin Adjustors	Not available. Not available.
Elimination	: Calcitonin Reagent Wedge Calcitonin Adjustors	Not available. Not available.
Other information	: Calcitonin Reagent Wedge Calcitonin Adjustors	Not available. Not available.

SECTION 12: Ecological information

12.1 Toxicity

Conclusion/Summary	: Calcitonin Reagent Wedge Calcitonin Adjustors	Not available. Not available.
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12.2 Persistence and degradability

Conclusion/Summary	: Calcitonin Reagent Wedge Calcitonin Adjustors	Not available. Not available.
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12.3 Bioaccumulative potential

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SECTION 12: Ecological information

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

12.4 Mobility in soil

Soil/water partition coefficient (K_{oc})	: Calcitonin Reagent Wedge Calcitonin Adjustors	Not available. Not available.
Mobility	: Calcitonin Reagent Wedge Calcitonin Adjustors	Not available. Not available.

12.5 Results of PBT and vPvB assessment

PBT	: Calcitonin Reagent Wedge Calcitonin Adjustors	Not applicable. Not applicable.
vPvB	: Calcitonin Reagent Wedge Calcitonin Adjustors	Not applicable. Not applicable.

12.6 Other adverse effects	: Calcitonin Reagent Wedge Calcitonin Adjustors	No known significant effects or critical hazards. No known significant effects or critical hazards.
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SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Methods of disposal	: The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.
Hazardous waste	: Calcitonin Reagent Wedge Calcitonin Adjustors Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 2008/98/EC. Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 2008/98/EC.

Packaging

Methods of disposal	: The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.
Special precautions	: This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

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SECTION 14: Transport information

ADR/RID

14.1 UN number	Calcitonin Reagent Wedge Calcitonin Adjustors	Not regulated. Not regulated.
14.2 UN proper shipping name	Calcitonin Reagent Wedge Calcitonin Adjustors	- -
14.3 Transport hazard class(es)	Calcitonin Reagent Wedge Calcitonin Adjustors	- -
14.4 Packing group	Calcitonin Reagent Wedge Calcitonin Adjustors	- -
14.5 Environmental hazards	Calcitonin Reagent Wedge Calcitonin Adjustors	No. No.
Additional information	Calcitonin Reagent Wedge Calcitonin Adjustors	- -

ADN

14.1 UN number	Calcitonin Reagent Wedge Calcitonin Adjustors	Not regulated. Not regulated.
14.2 UN proper shipping name	Calcitonin Reagent Wedge Calcitonin Adjustors	- -
14.3 Transport hazard class(es)	Calcitonin Reagent Wedge Calcitonin Adjustors	- -
14.4 Packing group	Calcitonin Reagent Wedge Calcitonin Adjustors	- -
14.5 Environmental hazards	Calcitonin Reagent Wedge Calcitonin Adjustors	No. No.
Additional information	Calcitonin Reagent Wedge Calcitonin Adjustors	- -

IMDG

14.1 UN number	Calcitonin Reagent Wedge Calcitonin Adjustors	Not regulated. Not regulated.
14.2 UN proper shipping name	Calcitonin Reagent Wedge Calcitonin Adjustors	- -
14.3 Transport hazard class(es)	Calcitonin Reagent Wedge Calcitonin Adjustors	- -
14.4 Packing group	Calcitonin Reagent Wedge Calcitonin Adjustors	- -

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SECTION 14: Transport information

14.5 Environmental hazards	Calcitonin Reagent Wedge Calcitonin Adjustors	No. No.
Additional information	Calcitonin Reagent Wedge Calcitonin Adjustors	- -
IATA		
14.1 UN number	Calcitonin Reagent Wedge Calcitonin Adjustors	Not regulated. Not regulated.
14.2 UN proper shipping name	Calcitonin Reagent Wedge Calcitonin Adjustors	- -
14.3 Transport hazard class(es)	Calcitonin Reagent Wedge Calcitonin Adjustors	- -
14.4 Packing group	Calcitonin Reagent Wedge Calcitonin Adjustors	- -
14.5 Environmental hazards	Calcitonin Reagent Wedge Calcitonin Adjustors	No. No.
Additional information	Calcitonin Reagent Wedge Calcitonin Adjustors	- -
14.6 Special precautions for user	Calcitonin Reagent Wedge Calcitonin 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. 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 and the IBC Code

Notes : A "-" = not applicable.

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.

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SECTION 15: Regulatory information

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles : Calcitonin Reagent Wedge Not applicable.
Calcitonin Adjustors Not applicable.

Other EU regulations

Europe inventory : Calcitonin Reagent Wedge Not determined.
Calcitonin Adjustors Not determined.

Black List Chemicals (76/464/EEC) : Calcitonin Reagent Wedge Not listed
Calcitonin Adjustors Not listed

Industrial emissions (integrated pollution prevention and control) - Air : Calcitonin Reagent Wedge Not listed
Calcitonin Adjustors Not listed

Industrial emissions (integrated pollution prevention and control) - Water : Calcitonin Reagent Wedge Not listed
Calcitonin Adjustors Not listed

Ozone depleting substances (1005/2009/EU)

Not listed.

Prior Informed Consent (PIC) (649/2012/EU)

Not listed.

Seveso Directive

Calcitonin Reagent Wedge
Calcitonin Adjustors

This product is not controlled under the Seveso Directive.
This product is not controlled under the Seveso Directive.

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

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
ASTM = American Society of Testing Materials
CEN = European Committee on Standardization
ECHA = European Chemicals Agency
RTECS = Registry of Toxic Effects of Chemical Substances

Key literature references and sources for data : This SDS was prepared on the basis of sheets of individual components, literature data, online databases (e.g. ECHA, RTECS) as well as our knowledge and experience, taking into account current legislation.

IMMULITE® 1000 Calcitonin.

SECTION 16: Other information

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	Justification
Not classified.	

Full text of abbreviated H statements

Calcitonin Reagent Wedge H319	Causes serious eye irritation.
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Full text of classifications [CLP/GHS]

Calcitonin Reagent Wedge Eye Irrit. 2, H319	SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2
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Training advice : Provide workers with adequate training to assure that chemicals are handled safely in accordance with national and community legislation.

Date of printing : 12/13/2016

Date of issue/ Date of revision : 12/13/2016

Date of previous issue : No previous validation

Version : 1

✔ Indicates information that has changed from previously issued version.

Notice to reader

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

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