SAFETY DATA SHEET

Immulite® 2000 and Immulite® 2500 Chemiluminescent Substrate Module **SDS no.:** L2SUBM

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

1.1 Product identifier

Product name : Immulite® 2000 and Immulite® 2500 Chemiluminescent Substrate Module

Product code : L2SUBM, 10385232

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 : Immulite® Chemiluminescent Substrate Mixture

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

Not classified.

Immulite® Chemiluminescent Substrate	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.

2.2 Label elements

SECTION 2: Hazards identification

Signal word	:	Immulite® Chemiluminescent Substrate	No signal word.
Hazard statements	:	Immulite® Chemiluminescent Substrate	Not applicable.
Precautionary statements			
Prevention	:	Immulite® Chemiluminescent Substrate	Not applicable.
Response	:	Immulite® Chemiluminescent Substrate	Not applicable.
Storage	:	Immulite® Chemiluminescent Substrate	Not applicable.
Disposal	:	Immulite® Chemiluminescent Substrate	Not applicable.
Supplemental label elements	:	Immulite® Chemiluminescent Substrate	Safety data sheet available on request.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	:	Immulite® Chemiluminescent Substrate	Not applicable.

2.3 Other hazards

Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII	:	Immulite® Chemiluminescent Substrate	Not applicable.
		Immulite® Chemiluminescent Substrate	P: Not available. B: Not available. T: Not available.
Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII	:	Immulite® Chemiluminescent Substrate	Not applicable.
		Immulite® Chemiluminescent Substrate	vP: Not available. vB: Not available.
Other hazards which do not result in classification	:	Immulite® Chemiluminescent Substrate	None known.
Additional information	:	Not available.	

SECTION 3: Composition/information on ingredients

3.2 Mixtures : Immulite® Chemiluminescent Substrate Mixture

Product/ingredient name	Identifiers	%	Classification Regulation (EC) No. 1272/2008 [CLP]	Type
Immulite® Chemiluminescent Substrate 2-amino-2-methylpropanol	EC: 204-709-8 CAS: 124-68-5 Index: 603-070-00-6	≤3	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412 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

SECTION 3: Composition/information on ingredients

[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	:	Immulite® Chemiluminescent Substrate	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	:	Immulite® Chemiluminescent Substrate	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.
Skin contact	:	Immulite® Chemiluminescent Substrate	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Ingestion	:	Immulite® Chemiluminescent Substrate	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	:	Immulite® Chemiluminescent Substrate	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	:	Immulite® Chemiluminescent Substrate	No known significant effects or critical hazards.
Inhalation	:	Immulite® Chemiluminescent Substrate	No known significant effects or critical hazards.
Skin contact	:	Immulite® Chemiluminescent Substrate	No known significant effects or critical hazards.
Ingestion	:	Immulite® Chemiluminescent Substrate	No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact	:	Immulite® Chemiluminescent Substrate	No specific data.
Inhalation	:	Immulite® Chemiluminescent Substrate	No specific data.
Skin contact	:	Immulite® Chemiluminescent Substrate	No specific data.
Ingestion	:	Immulite® Chemiluminescent Substrate	No specific data.

SECTION 4: First aid measures

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician	:	Immulite® Chemiluminescent Substrate	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	:	Immulite® Chemiluminescent Substrate	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

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

SECTION 6: Accidental release measures

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

SECTION 8: Exposure controls/personal protection

(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.

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	:	Immulite® Chemiluminescent Substrate	Liquid.
Colour	:	Immulite® Chemiluminescent Substrate	Colourless.
Odour	:	Immulite® Chemiluminescent Substrate	Odourless.
Odour threshold	:	Immulite® Chemiluminescent Substrate	Not relevant/applicable due to nature of the product.
pH	:	Immulite® Chemiluminescent Substrate	10 to 10.2
Melting point/freezing point	:	Immulite® Chemiluminescent Substrate	Not available.
Initial boiling point and boiling range	:	Immulite® Chemiluminescent Substrate	Not available.
Flash point	:	Immulite® Chemiluminescent Substrate	Not available.
Evaporation rate	:	Immulite® Chemiluminescent Substrate	Not relevant/applicable due to nature of the product.
Flammability (solid, gas)	:	Immulite® Chemiluminescent Substrate	Not relevant/applicable due to nature of the product.
Upper/lower flammability or explosive limits	:	Immulite® Chemiluminescent Substrate	Not relevant/applicable due to nature of the product.
Vapour pressure	:	Immulite® Chemiluminescent Substrate	Not relevant/applicable due to nature of the product.
Vapour density	:	Immulite® Chemiluminescent Substrate	Not relevant/applicable due to nature of the product.
Relative density	:	Immulite® Chemiluminescent Substrate	1
Solubility(ies)	:	Immulite® Chemiluminescent Substrate	Not relevant/applicable due to nature of the product.
Solubility in water	:	Immulite® Chemiluminescent Substrate	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	:	Immulite® Chemiluminescent Substrate	Not relevant/applicable due to nature of the product.
Decomposition temperature	:	Immulite® Chemiluminescent Substrate	Not relevant/applicable due to nature of the product.
Viscosity	:	Not relevant/applicable due to nature of the product.	
Explosive properties	:	Immulite® Chemiluminescent Substrate	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	:	Immulite® Chemiluminescent Substrate	No specific test data related to reactivity available for this product or its ingredients.
10.2 Chemical stability	:	Immulite® Chemiluminescent Substrate	The product is stable.

SECTION 10: Stability and reactivity

10.3 Possibility of hazardous reactions	:	Immulite® Chemiluminescent Substrate	Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Conditions to avoid	:	Immulite® Chemiluminescent Substrate	No specific data.
10.5 Incompatible materials	:	Immulite® Chemiluminescent Substrate	No specific data.
10.6 Hazardous decomposition products	:	Immulite® Chemiluminescent Substrate	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Immulite® Chemiluminescent Substrate 2-amino-2-methylpropanol	LD50 Oral	Rat	2900 mg/kg	-

Conclusion/Summary : Immulite® Chemiluminescent Substrate Not available.

Acute toxicity estimates

Not available.

Irritation/Corrosion

Conclusion/Summary

Skin : Immulite® Chemiluminescent Substrate Not available.

Eyes : Immulite® Chemiluminescent Substrate Not available.

Respiratory : Immulite® Chemiluminescent Substrate Not available.

Sensitisation

Conclusion/Summary

Skin : Immulite® Chemiluminescent Substrate Not available.

Respiratory : Immulite® Chemiluminescent Substrate Not available.

Mutagenicity

Conclusion/Summary : Immulite® Chemiluminescent Substrate Not available.

Carcinogenicity

Conclusion/Summary : Immulite® Chemiluminescent Substrate Not available.

Reproductive toxicity

Conclusion/Summary : Immulite® Chemiluminescent Substrate Not available.

Teratogenicity

Conclusion/Summary : Immulite® Chemiluminescent Substrate Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

SECTION 11: Toxicological information

Information on likely routes of exposure	:	Immulite® Chemiluminescent Substrate	Not available.

Potential acute health effects

Eye contact	:	Immulite® Chemiluminescent Substrate	No known significant effects or critical hazards.
Inhalation	:	Immulite® Chemiluminescent Substrate	No known significant effects or critical hazards.
Skin contact	:	Immulite® Chemiluminescent Substrate	No known significant effects or critical hazards.
Ingestion	:	Immulite® Chemiluminescent Substrate	No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact	:	Immulite® Chemiluminescent Substrate	No specific data.
Inhalation	:	Immulite® Chemiluminescent Substrate	No specific data.
Skin contact	:	Immulite® Chemiluminescent Substrate	No specific data.
Ingestion	:	Immulite® Chemiluminescent Substrate	No specific data.

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

Short term exposure

Potential immediate effects	:	Immulite® Chemiluminescent Substrate	Not available.
Potential delayed effects	:	Immulite® Chemiluminescent Substrate	Not available.

Long term exposure

Potential immediate effects	:	Immulite® Chemiluminescent Substrate	Not available.
Potential delayed effects	:	Immulite® Chemiluminescent Substrate	Not available.

Potential chronic health effects

Not available.

Conclusion/Summary	:	Immulite® Chemiluminescent Substrate	Not available.
General	:	Immulite® Chemiluminescent Substrate	No known significant effects or critical hazards.
Carcinogenicity	:	Immulite® Chemiluminescent Substrate	No known significant effects or critical hazards.
Mutagenicity	:	Immulite® Chemiluminescent Substrate	No known significant effects or critical hazards.
Teratogenicity	:	Immulite® Chemiluminescent Substrate	No known significant effects or critical hazards.
Developmental effects	:	Immulite® Chemiluminescent Substrate	No known significant effects or critical hazards.
Fertility effects	:	Immulite® Chemiluminescent Substrate	No known significant effects or critical hazards.
Interactive effects	:	Immulite® Chemiluminescent Substrate	Not available.

Toxicokinetics

Absorption	:	Immulite® Chemiluminescent Substrate	Not available.
Distribution	:	Immulite® Chemiluminescent Substrate	Not available.
Metabolism	:	Immulite® Chemiluminescent Substrate	Not available.

SECTION 11: Toxicological information

Elimination : Immulite® Chemiluminescent Substrate — Not available.

Other information : Immulite® Chemiluminescent Substrate — Not available.

SECTION 12: Ecological information

12.1 Toxicity

Conclusion/Summary : Immulite® Chemiluminescent Substrate — Not available.

12.2 Persistence and degradability

Conclusion/Summary : Immulite® Chemiluminescent Substrate — Not available.

12.3 Bioaccumulative potential

Product/ingredient name	$LogP_{ow}$	BCF	Potential
Immulite® Chemiluminescent Substrate			
2-amino-2-methylpropanol	-0.63	320	low

12.4 Mobility in soil

Soil/water partition coefficient (K_{OC}) : Immulite® Chemiluminescent Substrate — Not available.

Mobility : Immulite® Chemiluminescent Substrate — Not available.

12.5 Results of PBT and vPvB assessment

PBT : Immulite® Chemiluminescent Substrate — Not applicable.

vPvB : Immulite® Chemiluminescent Substrate — Not applicable.

12.6 Other adverse effects : Immulite® Chemiluminescent Substrate — No known significant effects or critical hazards.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Methods of disposal : The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

Hazardous waste : Immulite® Chemiluminescent Substrate — 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.

SECTION 13: Disposal considerations

Special precautions : This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

ADR/RID

14.1 UN number	Immulite® Chemiluminescent Substrate	Not regulated.
14.2 UN proper shipping name	Immulite® Chemiluminescent Substrate	-
14.3 Transport hazard class(es)	Immulite® Chemiluminescent Substrate	-
14.4 Packing group	Immulite® Chemiluminescent Substrate	-
14.5 Environmental hazards	Immulite® Chemiluminescent Substrate	No.
Additional information	Immulite® Chemiluminescent Substrate	-

ADN

14.1 UN number	Immulite® Chemiluminescent Substrate	Not regulated.
14.2 UN proper shipping name	Immulite® Chemiluminescent Substrate	-
14.3 Transport hazard class(es)	Immulite® Chemiluminescent Substrate	-
14.4 Packing group	Immulite® Chemiluminescent Substrate	-
14.5 Environmental hazards	Immulite® Chemiluminescent Substrate	No.
Additional information	Immulite® Chemiluminescent Substrate	-

IMDG

14.1 UN number	Immulite® Chemiluminescent Substrate	Not regulated.
14.2 UN proper shipping name	Immulite® Chemiluminescent Substrate	-
14.3 Transport hazard class(es)	Immulite® Chemiluminescent Substrate	-
14.4 Packing group	Immulite® Chemiluminescent Substrate	-

SECTION 14: Transport information

14.5 Environmental hazards	Immulite® Chemiluminescent Substrate	No.
Additional information	Immulite® Chemiluminescent Substrate	-

IATA

14.1 UN number	Immulite® Chemiluminescent Substrate	Not regulated.
14.2 UN proper shipping name	Immulite® Chemiluminescent Substrate	-
14.3 Transport hazard class(es)	Immulite® Chemiluminescent Substrate	-
14.4 Packing group	Immulite® Chemiluminescent Substrate	-
14.5 Environmental hazards	Immulite® Chemiluminescent Substrate	No.
Additional information	Immulite® Chemiluminescent Substrate	-

14.6 Special precautions for user : Immulite® Chemiluminescent Substrate

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.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles : Immulite® Chemiluminescent Substrate — Not applicable.

Other EU regulations

SECTION 15: Regulatory information

Europe inventory	:	Immulite® Chemiluminescent Substrate	Not determined.
Black List Chemicals (76/464/EEC)	:	Immulite® Chemiluminescent Substrate	Not listed
Industrial emissions (integrated pollution prevention and control) - Air	:	Immulite® Chemiluminescent Substrate	Not listed
Industrial emissions (integrated pollution prevention and control) - Water	:	Immulite® Chemiluminescent Substrate	Not listed

Ozone depleting substances (1005/2009/EU)

Not listed.

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

Not listed.

Seveso Directive

Immulite® Chemiluminescent Substrate — 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.

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

SECTION 16: Other information

Immulite® Chemiluminescent Substrate	
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H412	Harmful to aquatic life with long lasting effects.

Full text of classifications [CLP/GHS]

Immulite® Chemiluminescent Substrate	
Aquatic Chronic 3, H412	LONG-TERM AQUATIC HAZARD - Category 3
Eye Irrit. 2, H319	SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2
Skin Irrit. 2, H315	SKIN CORROSION/IRRITATION - Category 2

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.