

SAFETY DATA SHEET

SIEMENS

IMMULITE® 2000 Phenytoin

MSDS no.: L2KPN2_6

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

1.1 Product identifier

Product name : IMMULITE® 2000 Phenytoin
Product code : L2KPN2, 10381548
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)

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	: Phenytoin Reagent Wedge Phenytoin Adjustors	Mixture Mixture
<u>Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]</u>	Not classified. Phenytoin Reagent Wedge Phenytoin Adjustors	The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended. The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.
Ingredients of unknown toxicity	: Phenytoin Reagent Wedge Phenytoin Adjustors	
Ingredients of unknown ecotoxicity	: Phenytoin Reagent Wedge Phenytoin Adjustors	
<u>Classification according to Directive 1999/45/EC [DPD]</u>	Phenytoin Reagent Wedge Phenytoin Adjustors	The product is not classified as dangerous according to Directive 1999/45/EC and its amendments. The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.
Classification	: Phenytoin Reagent Wedge Phenytoin Adjustors	Not classified. Not classified.
Physical/chemical hazards	: Phenytoin Reagent Wedge Phenytoin Adjustors	Not applicable. Not applicable.
Human health hazards	: Phenytoin Reagent Wedge Phenytoin Adjustors	Not applicable. Not applicable.
Environmental hazards	: Phenytoin Reagent Wedge Phenytoin Adjustors	Not applicable. Not applicable.

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

Signal word	: Phenytoin Reagent Wedge Phenytoin Adjustors	No signal word. No signal word.
Hazard statements	: Phenytoin Reagent Wedge Phenytoin Adjustors	No known significant effects or critical hazards. No known significant effects or critical hazards.
<u>Precautionary statements</u>		
Prevention	: Phenytoin Reagent Wedge Phenytoin Adjustors	Not applicable. Not applicable.
Response	: Phenytoin Reagent Wedge Phenytoin Adjustors	Not applicable. Not applicable.
Storage	: Phenytoin Reagent Wedge Phenytoin Adjustors	Not applicable. Not applicable.

IMMULITE® 2000 Phenytoin

SECTION 2: Hazards identification

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

2.3 Other hazards

Other hazards which do not result in classification	: Phenytoin Reagent Wedge Phenytoin Adjustors	None known. None known.
Additional information	: Potentially biohazardous material.	
	Not available.	

SECTION 3: Composition/information on ingredients

Substance/mixture	: Phenytoin Reagent Wedge Phenytoin Adjustors	Mixture Mixture
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There are no 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.

SECTION 4: First aid measures

4.1 Description of first aid measures

Eye contact	: Phenytoin Reagent Wedge Phenytoin 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. 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	: Phenytoin Reagent Wedge Phenytoin 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. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

SECTION 4: First aid measures

Skin contact	: Phenytoin Reagent Wedge	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	Phenytoin Adjustors	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Ingestion	: Phenytoin 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.
	Phenytoin 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	: Phenytoin Reagent Wedge	No action shall be taken involving any personal risk or without suitable training.
	Phenytoin 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	: Phenytoin Reagent Wedge	No known significant effects or critical hazards.
	Phenytoin Adjustors	No known significant effects or critical hazards.
Inhalation	: Phenytoin Reagent Wedge	Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
	Phenytoin Adjustors	No known significant effects or critical hazards.
Skin contact	: Phenytoin Reagent Wedge	No known significant effects or critical hazards.
	Phenytoin Adjustors	No known significant effects or critical hazards.
Ingestion	: Phenytoin Reagent Wedge	No known significant effects or critical hazards.
	Phenytoin Adjustors	No known significant effects or critical hazards.

Over-exposure signs/symptoms

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

SECTION 4: First aid measures

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

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician	: Phenytoin Reagent Wedge Phenytoin 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. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	: Phenytoin Reagent Wedge Phenytoin Adjustors	No specific treatment. No specific treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media	: Use dry chemical, CO ₂ , 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.
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".

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).

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. 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

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).

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 or exposure or environmental releases.

8.1 Control parameters

Occupational exposure limits

No exposure limit value known.

SECTION 8: Exposure controls/personal protection

Recommended monitoring procedures : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to 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.

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	: Phenytoin Reagent Wedge Phenytoin Adjustors	Liquid. Liquid.
Colour	: Phenytoin Reagent Wedge Phenytoin Adjustors	Colourless. Colourless.
Odour	: Phenytoin Reagent Wedge Phenytoin Adjustors	Odourless. Bland.
pH	: Phenytoin Reagent Wedge Phenytoin Adjustors	7.95 to 8.05 Not applicable.
Melting point/freezing point	: Phenytoin Reagent Wedge Phenytoin Adjustors	Not available. Not available.
Initial boiling point and boiling range	: Phenytoin Reagent Wedge Phenytoin Adjustors	Not available. Not available.
Flash point	: Phenytoin Reagent Wedge Phenytoin Adjustors	Not available. Not available.
Evaporation rate	: Phenytoin Reagent Wedge Phenytoin Adjustors	Not available. Not available.
Flammability (solid, gas)	: Phenytoin Reagent Wedge Phenytoin Adjustors	Not available. Not available.
Burning time	: Phenytoin Reagent Wedge Phenytoin Adjustors	Not applicable. Not applicable.
Burning rate	: Phenytoin Reagent Wedge Phenytoin Adjustors	Not applicable. Not applicable.
Upper/lower flammability or explosive limits	: Phenytoin Reagent Wedge Phenytoin Adjustors	Not available. Not available.
Vapour pressure	: Phenytoin Reagent Wedge Phenytoin Adjustors	Not available. Not available.
Solubility in water	: Phenytoin Reagent Wedge Phenytoin Adjustors	Not available. Not available.
Partition coefficient: n-octanol/ water	: Phenytoin Reagent Wedge Phenytoin Adjustors	Not available. Not available.
Auto-ignition temperature	: Phenytoin Reagent Wedge Phenytoin Adjustors	Not available. Not available.
Decomposition temperature	: Phenytoin Reagent Wedge Phenytoin Adjustors	Not available. Not available.
Viscosity	: Phenytoin Reagent Wedge Phenytoin Adjustors	Not available. Not available.
Explosive properties	: Phenytoin Reagent Wedge Phenytoin Adjustors	Not available. Not available.
Oxidising properties	: Phenytoin Reagent Wedge Phenytoin Adjustors	Not available. 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.

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SECTION 9: Physical and chemical properties

Enclosed space ignition - Deflagration density : Not applicable.
Flame height : Not applicable.
Flame duration : Not applicable.

SECTION 10: Stability and reactivity

10.1 Reactivity : Phenytoin Reagent Wedge
 Phenytoin 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 : Phenytoin Reagent Wedge
 Phenytoin Adjustors
 The product is stable.
 The product is stable.

10.3 Possibility of hazardous reactions : Phenytoin Reagent Wedge
 Phenytoin 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 : Phenytoin Reagent Wedge
 Phenytoin Adjustors
 No specific data.
 No specific data.

10.5 Incompatible materials : Phenytoin Reagent Wedge
 Phenytoin Adjustors
 No specific data.
 No specific data.

10.6 Hazardous decomposition products : Phenytoin Reagent Wedge
 Phenytoin 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.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

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

Acute toxicity estimates

Route	ATE value
Phenytoin Reagent Wedge	
Oral	15000 mg/kg
Dermal	150000 mg/kg
Inhalation (dusts and mists)	250 mg/l

Irritation/Corrosion

Conclusion/Summary

Skin : Phenytoin Reagent Wedge
 Phenytoin Adjustors
 Not available.
 Not available.

Eyes : Phenytoin Reagent Wedge
 Phenytoin Adjustors
 Not available.
 Not available.

SECTION 11: Toxicological information

Respiratory	: Phenytoin Reagent Wedge Phenytoin Adjustors	Not available. Not available.
<u>Sensitisation</u>		
Conclusion/Summary		
Skin	: Phenytoin Reagent Wedge Phenytoin Adjustors	Not available. Not available.
Respiratory	: Phenytoin Reagent Wedge Phenytoin Adjustors	Not available. Not available.
<u>Mutagenicity</u>		
Conclusion/Summary		
Conclusion/Summary	: Phenytoin Reagent Wedge Phenytoin Adjustors	Not available. Not available.
<u>Carcinogenicity</u>		
Conclusion/Summary		
Conclusion/Summary	: Phenytoin Reagent Wedge Phenytoin Adjustors	Not available. Not available.
<u>Reproductive toxicity</u>		
Conclusion/Summary		
Conclusion/Summary	: Phenytoin Reagent Wedge Phenytoin Adjustors	Not available. Not available.
<u>Teratogenicity</u>		
Conclusion/Summary		
Conclusion/Summary	: Phenytoin Reagent Wedge Phenytoin Adjustors	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>		
Eye contact	: Phenytoin Reagent Wedge Phenytoin Adjustors	No known significant effects or critical hazards. No known significant effects or critical hazards.
Inhalation	: Phenytoin Reagent Wedge Phenytoin Adjustors	Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure. No known significant effects or critical hazards.
Skin contact	: Phenytoin Reagent Wedge Phenytoin Adjustors	No known significant effects or critical hazards. No known significant effects or critical hazards.
Ingestion	: Phenytoin Reagent Wedge Phenytoin Adjustors	No known significant effects or critical hazards. No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

SECTION 11: Toxicological information

Eye contact	: Phenytoin Reagent Wedge Phenytoin Adjustors	No specific data. No specific data.
Inhalation	: Phenytoin Reagent Wedge Phenytoin Adjustors	No specific data. No specific data.
Skin contact	: Phenytoin Reagent Wedge Phenytoin Adjustors	No specific data. No specific data.
Ingestion	: Phenytoin Reagent Wedge Phenytoin Adjustors	No specific data. No specific data.

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

Short term exposure

Potential immediate effects	: Phenytoin Reagent Wedge Phenytoin Adjustors	Not available. Not available.
Potential delayed effects	: Phenytoin Reagent Wedge Phenytoin Adjustors	Not available. Not available.

Long term exposure

Potential immediate effects	: Phenytoin Reagent Wedge Phenytoin Adjustors	Not available. Not available.
Potential delayed effects	: Phenytoin Reagent Wedge Phenytoin Adjustors	Not available. Not available.

Potential chronic health effects

Not available.

Conclusion/Summary	: Phenytoin Reagent Wedge Phenytoin Adjustors	Not available. Not available.
General	: Phenytoin Reagent Wedge Phenytoin Adjustors	No known significant effects or critical hazards. No known significant effects or critical hazards.
Carcinogenicity	: Phenytoin Reagent Wedge Phenytoin Adjustors	No known significant effects or critical hazards. No known significant effects or critical hazards.
Mutagenicity	: Phenytoin Reagent Wedge Phenytoin Adjustors	No known significant effects or critical hazards. No known significant effects or critical hazards.
Teratogenicity	: Phenytoin Reagent Wedge Phenytoin Adjustors	No known significant effects or critical hazards. No known significant effects or critical hazards.
Developmental effects	: Phenytoin Reagent Wedge Phenytoin Adjustors	No known significant effects or critical hazards. No known significant effects or critical hazards.
Fertility effects	: Phenytoin Reagent Wedge Phenytoin Adjustors	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

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

12.2 Persistence and degradability

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

12.3 Bioaccumulative potential

Not available.

12.4 Mobility in soil

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

Mobility : Phenytoin Reagent Wedge Not available.
Phenytoin Adjustors Not available.

12.5 Results of PBT and vPvB assessment

PBT : Phenytoin Reagent Wedge Not applicable.
Phenytoin Adjustors Not applicable.

vPvB : Phenytoin Reagent Wedge Not applicable.
Phenytoin Adjustors Not applicable.

12.6 Other adverse effects

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

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 : Phenytoin Reagent Wedge Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 91/689/EEC.
Phenytoin Adjustors Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 91/689/EEC.
Not available.

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

ADN

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

IMDG

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

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SECTION 14: Transport information

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

SECTION 15: Regulatory information

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

Other EU regulations

Europe inventory : Not determined.

Seveso II Directive

Phenytoin Reagent Wedge

This product is not controlled under the Seveso II Directive.

Phenytoin Adjustors

This product is not controlled under the Seveso II Directive.

International regulations

Chemical Weapons Convention List Schedule I Chemicals : Phenytoin Reagent Wedge Not listed
Phenytoin Adjustors Not listed

Chemical Weapons Convention List Schedule II Chemicals : Phenytoin Reagent Wedge Not listed
Phenytoin Adjustors Not listed

Chemical Weapons Convention List Schedule III Chemicals : Phenytoin Reagent Wedge Not listed
Phenytoin 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

Not classified.

Full text of abbreviated H statements : Not applicable.

Full text of classifications [CLP/GHS] : Not applicable.

Full text of abbreviated R phrases : Not applicable.

Full text of classifications [DSD/DPD] : Not applicable.

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SECTION 16: Other information

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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.