Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Regulation (EU) No. 453/2010 - United Kingdom (UK)

SAFETY DATA SHEET

SIEMENS

IMMULITE® 2000 Carbamazepine

MSDS no.: L2KCB2_6

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

- **1.1 Product identifier**
- Product name
- : IMMULITE® 2000 Carbamazepine
- Product code

Product description

- : L2KCB2/6, 10381550, 10381528
- : 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)	1

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	: Carbamazepine Reagent Wedge Carbamazepine Adjustors	Mixture Mixture		
Classification according to	o Regulation (EC) No. 1272/2008 [CLP/GHS]			
	Carbamazepine Adjustors LONG-TERM AQUATIC HAZARD	Category 3		
	Carbamazepine Reagent Wedge	The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.		
	Carbamazepine Adjustors	The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.		
Ingredients of unknown toxicity	: Carbamazepine Reagent Wedge Carbamazepine Adjustors			
Ingredients of unknown ecotoxicity	: Carbamazepine Reagent Wedge Carbamazepine Adjustors			
Classification according to Directive 1999/45/EC [DPD]				
	Carbamazepine Reagent Wedge Carbamazepine Adjustors	The product is not classified as dangerous according to Directive 1999/45/EC and its amendments. The product is classified as dangerous according to Directive 1999/45/EC and its amendments.		
Classification	: Carbamazepine Reagent Wedge Carbamazepine Adjustors	Not classified. Xn; R22 R52/53		
Physical/chemical hazards	: Carbamazepine Reagent Wedge Carbamazepine Adjustors	Not applicable. Not applicable.		
Human health hazards	: Carbamazepine Reagent Wedge Carbamazepine Adjustors	Not applicable. Harmful if swallowed.		
Environmental hazards	: Carbamazepine Reagent Wedge Carbamazepine Adjustors	Not applicable. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.		

See Section 16 for the full text of the R phrases or H statements declared above. See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements				
Signal word Hazard statements	: Carbamazepine Reagent Wedge Carbamazepine Adjustors	No signal word. No signal word.		
	: Carbamazepine Reagent Wedge Carbamazepine Adjustors	No known significant effects or critical hazards. H412 - Harmful to aquatic life with long lasting effects.		
Precautionary statements		<u> </u>		
Prevention	: Carbamazepine Reagent Wedge Carbamazepine Adjustors	Not applicable. P273 - Avoid release to the environment.		
Response	: Carbamazepine Reagent Wedge Carbamazepine Adjustors	Not applicable. Not applicable.		
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SECTION 2: Hazards identification

Storage	1	Carbamazepine Reagent Wedge Carbamazepine Adjustors	Not applicable. Not applicable.
Disposal	:	Carbamazepine Reagent Wedge Carbamazepine Adjustors	Not applicable. P501 - Dispose of contents and container in accordance with all local, regional, and national regulations.
	:		
Supplemental label elements	1	Carbamazepine Reagent Wedge Carbamazepine 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	:	Carbamazepine Reagent Wedge Carbamazepine Adjustors	Not applicable. Not applicable.

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

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

SECTION 3: Composition/information on ingredients

Substance/mixture	: Carbamazepine Carbamazepine	•	0		
			<u>Clas</u>	<u>sification</u>	
Product/ingredient name	Identifiers	%	67/548/EEC	Regulation (EC) No. 1272/2008 [CLP]	Туре
Carbamazepine Reagent Wedge aminocaproic acid	EC: 200-469-3 CAS: 60-32-2	>=1, <5	Not classified.	Eye Irrit. 2, H319	[1]
Carbamazepine Adjustors					
sodium azide	EC: 247-852-1 CAS: 26628-22-8 Index: 011-004-00-7	>=0.25, <1	T+; R28 R32 N; R50/53	Acute Tox. 2, H300 Acute Tox. 1, H310 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	[1] [2]
			See Section 16 for the full text of the R- phrases declared above.	See Section 16 for the full text of the H statements declared above.	

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

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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 firs	t aid measures	
Eye contact	: Carbamazepine 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.
	Carbamazepine Adjustors	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.
Inhalation	: Carbamazepine 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.
	Carbamazepine Adjustors	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Skin contact	: Carbamazepine Reagent Wedge	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	Carbamazepine Adjustors	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.

SECTION 4: First aid measures

Ingestion	: Carbamazepine Reagent Wedge	Wash out mouth with water. Remove
	Carbamazepine Adjustors	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. Wash out mouth with water. Remove
		dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Protection of first-aiders	: Carbamazepine Reagent Wedge	No action shall be taken involving any personal risk or without suitable training.
	Carbamazepine Adjustors	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
4.2 Most important sympton Potential acute health effed	ns and effects, both acute and delayed	
Eye contact	: Carbamazepine Reagent Wedge	No known significant effects or critical hazards.
	Carbamazepine Adjustors	No known significant effects or critical hazards.
Inhalation	: Carbamazepine Reagent Wedge	Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
	Carbamazepine Adjustors	No known significant effects or critical hazards.
Skin contact	: Carbamazepine Reagent Wedge	No known significant effects or critical hazards.
Indestion	Carbamazepine Adjustors	No known significant effects or critical hazards.
Ingestion	: Carbamazepine Reagent Wedge Carbamazepine Adjustors	No known significant effects or critical hazards. No known significant effects or critical
	· · · · · · · · · · · · · · · · · · ·	hazards.
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SECTION 4: First aid measures

Over-exposure signs/sy	<u>mptoms</u>	
Eye contact	: Carbamazepine Reagent Wedge Carbamazepine Adjustors	No specific data. No specific data.
Inhalation	: Carbamazepine Reagent Wedge Carbamazepine Adjustors	No specific data. No specific data.
Skin contact	: Carbamazepine Reagent Wedge Carbamazepine Adjustors	No specific data. No specific data.
Ingestion	: Carbamazepine Reagent Wedge Carbamazepine Adjustors	No specific data. No specific data.
4.3 Indication of any imm	nediate medical attention and special treatm	nent needed
Notes to physician	: Carbamazepine Reagent Wedge	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
	Carbamazepine Adjustors	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	: Carbamazepine Reagent Wedge Carbamazepine 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)

chemical incidents.

conforming to European standard EN 469 will provide a basic level of protection for

SECTION 6: Accidental release measures

6.1 Personal precautions, pro	ote	ctive equipment and emergency procedures
For non-emergency personnel	:	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
For emergency responders	:	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
6.2 Environmental precautions	:	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
6.3 Methods and materials fo	or c	ontainment and cleaning up
Small spill	:	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
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 av
Industrial sector specific	:	Not av

Not available.

Industrial sector specific solutions

Not available.

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SECTION 8: Exposure controls/personal protection

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

8.1 Control parameters

Occupational exposure limits

Product/ingredient name	Exposure limit values
Carbamazepine Adjustors sodium azide	EH40/2005 WELs (United Kingdom (UK), 12/2011). Absorbed through skin. Notes: as NaN3 STEL: 0.3 mg/m ³ , (as NaN3) 15 minutes. TWA: 0.1 mg/m ³ , (as NaN3) 8 hours.
procedures atmosphe of the ven protective the follow the asses limit value atmosphe of exposu (Workplac for the me	duct contains ingredients with exposure limits, personal, workplace are or biological monitoring may be required to determine the effectiveness tilation or other control measures and/or the necessity to use respiratory equipment. Reference should be made to monitoring standards, such as ing: European Standard EN 689 (Workplace atmospheres - Guidance for sment of exposure by inhalation to chemical agents for comparison with as and measurement strategy) European Standard EN 14042 (Workplace ares - Guide for the application and use of procedures for the assessment re to chemical and biological agents) European Standard EN 482 ce atmospheres - General requirements for the performance of procedures assurement of chemical agents) Reference to national guidance is for methods for the determination of hazardous substances will also be

DNELs/DMELs

No DNELs/DMELs available.

PNECs

No PNECs available

8.2 Exposure controls							
Appropriate engineering controls	:	Good gene contaminar		pe sufficient to control	worker exposur	e to airl	oorne
Individual protection meas	ures						
Hygiene measures	:	before eatin Appropriate Wash conta	ng, smoking and using techniques should b	thoroughly after handl the lavatory and at the used to remove pote ore reusing. Ensure the vorkstation location.	ne end of the wo entially contamination	rking pe ated clo	othing.
Eye/face protection	:	assessmen gases or du	at indicates this is nec usts. If contact is pos assessment indicates	n approved standard s essary to avoid exposi sible, the following pro a higher degree of pro	ure to liquid spla otection should b	shes, n e worn,	nists,
Skin protection							
Hand protection	:		all times when handlin	loves complying with a ng chemical products i			
Body protection	:	being perfo		r the body should be s volved and should be a			
Other skin protection	:	selected ba		ditional skin protectior performed and the rist andling this product.			be
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SECTION 8: Exposure controls/personal protection

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					
<u>Appearance</u>					
Physical state	:	Carbamazepine Reagent Wedge Carbamazepine Adjustors	Liquid. Solid.		
Colour	1	Carbamazepine Reagent Wedge Carbamazepine Adjustors	Colourless. Off-white.		
Odour	1	Carbamazepine Reagent Wedge Carbamazepine Adjustors	Odourless. Odourless.		
рН	:	Carbamazepine Reagent Wedge Carbamazepine Adjustors	7.95 to 8.05 Not applicable.		
Melting point/freezing point	:	Carbamazepine Reagent Wedge Carbamazepine Adjustors	Not available. Not available.		
Initial boiling point and boiling range	:	Carbamazepine Reagent Wedge Carbamazepine Adjustors	Not available. Not available.		
Flash point	:	Carbamazepine Reagent Wedge Carbamazepine Adjustors	Not available. Not available.		
Evaporation rate	:	Carbamazepine Reagent Wedge Carbamazepine Adjustors	Not available. Not available.		
Flammability (solid, gas)	:	Carbamazepine Reagent Wedge Carbamazepine Adjustors	Not available. Not available.		
Burning time	:	Carbamazepine Reagent Wedge Carbamazepine Adjustors	Not applicable. Not available.		
Burning rate	:	Carbamazepine Reagent Wedge Carbamazepine Adjustors	Not applicable. Not available.		
Upper/lower flammability or explosive limits	:	Carbamazepine Reagent Wedge Carbamazepine Adjustors	Not available. Not available.		
Vapour pressure	:	Carbamazepine Reagent Wedge Carbamazepine Adjustors	Not available. Not available.		
Solubility in water	:	Carbamazepine Reagent Wedge Carbamazepine Adjustors	Not available. Not available.		
Partition coefficient: n-octanol/ water	:	Carbamazepine Reagent Wedge Carbamazepine Adjustors	Not available. Not available.		
Auto-ignition temperature	:	Carbamazepine Reagent Wedge Carbamazepine Adjustors	Not available. Not available.		
Decomposition temperature	:	Carbamazepine Reagent Wedge Carbamazepine Adjustors	Not available. Not available.		
Viscosity	:	Carbamazepine Reagent Wedge Carbamazepine Adjustors	Not available. Not available.		
Explosive properties	:	Carbamazepine Reagent Wedge Carbamazepine Adjustors	Not available. Not available.		
Oxidising properties	:	Carbamazepine Reagent Wedge Carbamazepine Adjustors	Not available. Not available.		

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SECTION 9: Physical and chemical properties

: Not available.
: Not applicable.
: Not available.
: Not applicable.

SECTION 10: Stability and reactivity

10.1 Reactivity	: Carbamazepine Reagent Wedge	No specific test data related to reactivity available for this product or its ingredients.
	Carbamazepine Adjustors	No specific test data related to reactivity available for this product or its ingredients.
10.2 Chemical stability	: Carbamazepine Reagent Wedge Carbamazepine Adjustors	The product is stable. The product is stable.
10.3 Possibility of hazardous reactions	: Carbamazepine Reagent Wedge	Under normal conditions of storage and use, hazardous reactions will not occur.
	Carbamazepine Adjustors	Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Conditions to avoid	: Carbamazepine Reagent Wedge Carbamazepine Adjustors	No specific data. No specific data.
10.5 Incompatible materials	: Carbamazepine Reagent Wedge Carbamazepine Adjustors	No specific data. No specific data.
10.6 Hazardous decomposition products	: Carbamazepine Reagent Wedge	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	Carbamazepine Adjustors	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
Carbamazepine Adjustors				
sodium azide	LD50 Dermal	Rabbit	20 mg/kg	-
	LD50 Dermal	Rat	50 mg/kg	-
	LD50 Oral	Rat	27 mg/kg	-

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SECTION 11: Toxicological information

Conclusion/Summary	: Carbamazepine Reagent Wedge Carbamazepine Adjustors	Not available. Not available.
Acute toxicity estimates		
	Route	ATE value
Carbamazepine Adjustor	'S	
Oral		8181.8 mg/kg

Dermal

6060.6 mg/kg

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Carbamazepine Reagent					
Wedge aminocaproic acid	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
Conclusion/Summary	ł		4	ł	ł
Skin	: Carbamazepine Reagent We Carbamazepine Adjustors	edge	Not availa Not availa		
Eyes	: Carbamazepine Reagent We Carbamazepine Adjustors	edge	Not availa Not availa		
Respiratory	: Carbamazepine Reagent We Carbamazepine Adjustors	edge	Not availa Not availa		
Sensitisation					
Conclusion/Summary					
Skin	: Carbamazepine Reagent We Carbamazepine Adjustors	0	Not availa Not availa		
Respiratory	: Carbamazepine Reagent We Carbamazepine Adjustors	edge	Not availa Not availa		
<u>Mutagenicity</u>					
Conclusion/Summary	: Carbamazepine Reagent We Carbamazepine Adjustors	edge	Not availa Not availa		
Carcinogenicity					
Conclusion/Summary	: Carbamazepine Reagent We Carbamazepine Adjustors	edge	Not availa Not availa		
Reproductive toxicity					
Conclusion/Summary	: Carbamazepine Reagent We Carbamazepine Adjustors	edge	Not availa Not availa		
<u>Feratogenicity</u>					
Conclusion/Summary	: Carbamazepine Reagent We Carbamazepine Adjustors	•	Not availa Not availa		
Specific target organ toxicit	<u>y (single exposure)</u>				
Not available.					
Specific target organ toxicit	<u>y (repeated exposure)</u>				
Not available.					
<mark>Aspiration hazard</mark> Not available.					
formation on the likely outes of exposure	: Not available.				
utes of exposure					

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SECTION 11: Toxicological information

	-	
Eye contact	: Carbamazepine Reagent Wedge	No known significant effects or critical hazards.
	Carbamazepine Adjustors	No known significant effects or critical hazards.
Inhalation	: Carbamazepine Reagent Wedge	Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
	Carbamazepine Adjustors	No known significant effects or critical hazards.
Skin contact	: Carbamazepine Reagent Wedge	No known significant effects or critical hazards.
	Carbamazepine Adjustors	No known significant effects or critical hazards.
Ingestion	: Carbamazepine Reagent Wedge	No known significant effects or critical hazards.
	Carbamazepine Adjustors	No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact	: Carbamazepine Reagent Wedge Carbamazepine Adjustors	No specific data. No specific data.
Inhalation	: Carbamazepine Reagent Wedge Carbamazepine Adjustors	No specific data. No specific data.
Skin contact	: Carbamazepine Reagent Wedge Carbamazepine Adjustors	No specific data. No specific data.
Ingestion	: Carbamazepine Reagent Wedge Carbamazepine 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	: Carbamazepine Reagent Wedge Not available. Carbamazepine Adjustors Not available.	
Potential delayed effects	: Carbamazepine Reagent Wedge Not available. Carbamazepine Adjustors Not available.	
Long term exposure		
Potential immediate effects	: Carbamazepine Reagent Wedge Not available. Carbamazepine Adjustors Not available.	
Potential delayed effects	: Carbamazepine Reagent Wedge Not available. Carbamazepine Adjustors Not available.	
Potential chronic health effe	<u>zts</u>	
Not available.		
Conclusion/Summary	: Carbamazepine Reagent Wedge Not available. Carbamazepine Adjustors Not available.	
General	: Carbamazepine Reagent Wedge No known significant effects or critica hazards.	ıl
	Carbamazepine Adjustors No known significant effects or critica hazards.	1
Carcinogenicity	: Carbamazepine Reagent Wedge No known significant effects or critica hazards.	ıl
	Carbamazepine Adjustors No known significant effects or critica hazards.	ıl

SECTION 11: Toxicological information

	6	
Mutagenicity	: Carbamazepine Reagent Wedge	No known significant effects or critical hazards.
	Carbamazepine Adjustors	No known significant effects or critical hazards.
Teratogenicity	: Carbamazepine Reagent Wedge	No known significant effects or critical hazards.
	Carbamazepine Adjustors	No known significant effects or critical hazards.
Developmental effects	: Carbamazepine Reagent Wedge	No known significant effects or critical hazards.
	Carbamazepine Adjustors	No known significant effects or critical hazards.
Fertility effects	: Carbamazepine Reagent Wedge	No known significant effects or critical hazards.
	Carbamazepine Adjustors	No known significant effects or critical hazards.
Interactive effects	:	

Other information

: Not available.

SECTION 12: Ecological information

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
Carbamazepine Adjustors			
sodium azide	Acute EC50 0.348 mg/l Fresh water	Algae - Pseudokirchneriella subcapitata	96 hours
	Acute EC50 4.2 to 6.2 mg/l Fresh water	Daphnia - Daphnia pulex - Larvae	48 hours
	Acute LC50 9000 µg/l Fresh water	Crustaceans - Gammarus Iacustris	48 hours
	Acute LC50 0.68 mg/l Fresh water Chronic NOEC 5600 µg/l Marine water	Fish - Lepomis macrochirus Algae - Macrocystis pyrifera	96 hours 96 hours
Conclusion/Summary	: Carbamazepine Reagent Wedge Carbamazepine Adjustors	Not available. Not available.	

12.2 Persistence and degradability

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

12.3 Bioaccumulative potential

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

12.4 Mobility in soil

Soil/water partition coefficient (Koc)	: Carbamazepine Reagent Wedge Carbamazepine Adjustors	Not available. Not available.
Mobility	: Carbamazepine Reagent Wedge Carbamazepine Adjustors	Not available. Not available.

12.5 Results of PBT and vPvB assessment

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SECTION 12: Ecological information

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PBT	: Carbamazepine Reagent Wedge Carbamazepine Adjustors	Not applicable. Not applicable.
vPvB	: Carbamazepine Reagent Wedge Carbamazepine Adjustors	Not applicable. Not applicable.
12.6 Other adverse effects	: Carbamazepine Reagent Wedge	No known significant effects or critical hazards.
	Carbamazepine 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 metho	ds		
Product			
Methods of disposal		with the requirements of environmental and any regional local authority require recyclable products via a licensed was	any by-products should at all times comply I protection and waste disposal legislation
Hazardous waste		Carbamazepine Reagent Wedge Carbamazepine Adjustors	Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 91/689/EEC. The classification of the product may
			meet the criteria for a hazardous waste.
		Sodium azide may react with lead or co azides.	opper plumbing to form highly explosive metal
Packaging			
Methods of disposal			ided or minimised wherever possible. Waste ation or landfill should only be considered
Special precautions			e disposed of in a safe way. Empty containers lues. Avoid dispersal of spilt material and , drains and sewers.

SECTION 14: Transport information

Date of issue/Date of revis	ion : 1/15/2016. Date of previous issue	: 5/6/2015.	Version : 3	14/18
14.5 Environmental hazards	Carbamazepine Reagent Wedge Carbamazepine Adjustors	No. No.		
14.4 Packing group	Carbamazepine Reagent Wedge Carbamazepine Adjustors	-		
14.3 Transport hazard class(es)	Carbamazepine Reagent Wedge Carbamazepine Adjustors	-		
14.2 UN proper shipping name	Carbamazepine Reagent Wedge Carbamazepine Adjustors	-		
14.1 UN number	Carbamazepine Reagent Wedge Carbamazepine Adjustors	Not regulated. Not regulated.		

SECTION 14: Transport information

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

SECTION 14: Transport information

14.5 Environmental hazards	Carbamazepine Reagent Wedge Carbamazepine Adjustors	No. No.
Additional information	Carbamazepine Reagent Wedge Carbamazepine Adjustors	-
14.6 Special precau user	itions for : Carbamazepine Reagent Wedge	Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident o spillage.
	Carbamazepine 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 o spillage.

14.7 Transport in bulk: Not available.according to Annex II ofMARPOL 73/78 and the IBCCode

SECTION 15: Regulatory information

15.1 Safety, health and envir	onmental regulations/legisla	tion specific for the s	substance or mixture
EU Regulation (EC) No. 190	<u>7/2006 (REACH)</u>		
Annex XIV - List of substa	nces subject to authorisation	1	
Annex XIV			
None of the components a	re listed.		
Substances of very high	<u>concern</u>		
None of the components a	re listed.		
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	: Carbamazepine Reagent Carbamazepine Adjustors		applicable. applicable.
Other EU regulations			
Europe inventory	: Not determined.		
Seveso II Directive			
Carbamazepine Reagent Wedge		This product is not concerned by Directive.	ontrolled under the Seveso II
Carbamazepine Adjustors			ontrolled under the Seveso II
International regulations			
Chemical Weapons Convention List Schedule I Chemicals	: Carbamazepine Reagent Carbamazepine Adjustors		
Chemical Weapons Convention List Schedule II Chemicals	: Carbamazepine Reagent Carbamazepine Adjustors		

SECTION 15: Regulatory information

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

15.2 Chemical Safety	: Not applicable.
Assessment	

SECTION 16: Other information

Abbreviations and acronyms	CLP = Classification, 1272/2008] DMEL = Derived Mini DNEL = Derived No E EUH statement = CLF PBT = Persistent, Bio PNEC = Predicted No RRN = REACH Regis	 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 		
Carbamazepine Adjustors Aquatic Chronic 3, H412		Calculation method		
Full text of abbreviated H statements	: Carbamazepine Reagent Wedge H319	Causes serious eye irritation.		
Full text of classifications [CLP/GHS]	Carbamazepine Adjustors H300 H310 H400 H410 H412 : Carbamazepine Reagent Wedge Eye Irrit. 2, H319 Carbamazepine	Fatal if swallowed. Fatal in contact with skin. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects. Harmful to aquatic life with long lasting effects. SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2		
	Adjustors Acute Tox. 1, H310 Acute Tox. 2, H300 Aquatic Acute 1, H400 Aquatic Chronic 1, H4	ACUTE TOXICITY: SKIN - Category 1 ACUTE TOXICITY: ORAL - Category 2 ACUTE AQUATIC HAZARD - Category 1 10 LONG-TERM AQUATIC HAZARD - Category 1 LONG-TERM AQUATIC HAZARD - Category 3		
Full text of abbreviated R phrases	: R22- Harmful if swallo	owed.		
Full text of classifications [DSD/DPD]	: Xn - Harmful			
Date of printing	: 1/15/2016.			
Date of issue/ Date of revision	: 1/15/2016.			
Date of previous issue	: 5/6/2015.			
Version	: 3			
Notice to reader				

Date of issue/Date of revision

Version : 3

SECTION 16: Other information

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.