SAFETY DATA SHEET

SIEMENS

EBV - VCA IgM Immulite 2000/Immulite 2500

SDS no.: L2KEM L5KEM

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

1.1 Product identifier

Product name : EBV - VCA IgM Immulite 2000/Immulite 2500

Product code : L2KEM; L5KEM; 10488005

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 :

EBV-VCA IgM Reagent Wedge	Mixture
EBV-VCA IgM Adjustor	Mixture
EBV-VCA IgM Controls	Mixture
IgG/IgM sample Diluent	Mixture

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

SECTION 2: Hazards identification

EBV-VCA IgM Reagent Wedge
Skin Irrit. 2, H315
Eye Dam. 1, H318
Aquatic Acute 1, H400
Aquatic Chronic 2, H411

EBV-VCA IgM Adjustor
Acute Tox. 4, H302
Acute Tox. 3, H311
Aquatic Chronic 3, H412

EBV-VCA IgM Controls
Aquatic Chronic 3, H412

EBV-VCA IgM Reagent Wedge	The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.
EBV-VCA IgM Adjustor	The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.
EBV-VCA IgM Controls	The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.
IgG/IgM sample Diluent	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

Hazard pictograms :

Signal word :	EBV-VCA IgM Reagent Wedge	Danger
	EBV-VCA IgM Adjustor	Danger
	EBV-VCA IgM Controls	No signal word.
	IgG/IgM sample Diluent	No signal word.
Hazard statements :	EBV-VCA IgM Reagent Wedge	H318 - Causes serious eye damage. H315 - Causes skin irritation. H400 - Very toxic to aquatic life. H411 - Toxic to aquatic life with long lasting effects.
	EBV-VCA IgM Adjustor	H311 - Toxic in contact with skin. H302 - Harmful if swallowed. H412 - Harmful to aquatic life with long lasting effects.
	EBV-VCA IgM Controls	H412 - Harmful to aquatic life with long lasting effects.
	IgG/IgM sample Diluent	Not applicable.

Precautionary statements

Prevention :	EBV-VCA IgM Reagent Wedge	P280 - Wear protective gloves/protective clothing/eye protection/face protection. P273 - Avoid release to the environment.
	EBV-VCA IgM Adjustor	P280 - Wear protective gloves/protective clothing/eye protection/face protection. P273 - Avoid release to the environment.
	EBV-VCA IgM Controls	P273 - Avoid release to the environment.
	IgG/IgM sample Diluent	Not applicable.

SECTION 2: Hazards identification

Response	:	EBV-VCA IgM Reagent Wedge	P305 + P351 + P310 - IF IN EYES: Rinse cautiously with water for several minutes. Immediately call a POISON CENTER or physician.
		EBV-VCA IgM Adjustor	P301 + P312 - IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell. P302 + P312 - IF ON SKIN: Call a POISON CENTER or physician if you feel unwell.
		EBV-VCA IgM Controls	Not applicable.
		IgG/IgM sample Diluent	Not applicable.
Storage	:	EBV-VCA IgM Reagent Wedge	Not applicable.
		EBV-VCA IgM Adjustor	Not applicable.
		EBV-VCA IgM Controls	Not applicable.
		IgG/IgM sample Diluent	Not applicable.
Disposal	:	EBV-VCA IgM Reagent Wedge	P501 - Dispose of contents and container in accordance with all local, regional, and national regulations.
		EBV-VCA IgM Adjustor	P501 - Dispose of contents and container in accordance with all local, regional, and national regulations.
		EBV-VCA IgM Controls	P501 - Dispose of contents and container in accordance with all local, regional, and national regulations.
		IgG/IgM sample Diluent	Not applicable.
Hazardous ingredients	:	**EBV-VCA IgM Reagent Wedge** zinc chloride	
		EBV-VCA IgM Adjustor sodium azide	
Supplemental label elements	:	EBV-VCA IgM Reagent Wedge	Not applicable.
		EBV-VCA IgM Adjustor	Not applicable.
		EBV-VCA IgM Controls	Not applicable.
		IgG/IgM sample Diluent	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	:	EBV-VCA IgM Reagent Wedge	Not applicable.
		EBV-VCA IgM Adjustor	Not applicable.
		EBV-VCA IgM Controls	Not applicable.
		IgG/IgM sample Diluent	Not applicable.

2.3 Other hazards

Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII	:	EBV-VCA IgM Reagent Wedge	Not applicable.
		EBV-VCA IgM Adjustor	Not applicable.
		EBV-VCA IgM Controls	Not applicable.
		IgG/IgM sample Diluent	Not applicable.
		EBV-VCA IgM Reagent Wedge	P: Not available. B: Not available. T: Not available.
		EBV-VCA IgM Adjustor	P: Not available. B: Not available. T: Not available.
		EBV-VCA IgM Controls	P: Not available. B: Not available. T: Not available.
		IgG/IgM sample Diluent	P: Not available. B: Not available. T: Not available.

SECTION 2: Hazards identification

Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII	:	EBV-VCA IgM Reagent Wedge	Not applicable.
		EBV-VCA IgM Adjustor	Not applicable.
		EBV-VCA IgM Controls	Not applicable.
		IgG/IgM sample Diluent	Not applicable.
		EBV-VCA IgM Reagent Wedge	vP: Not available. vB: Not available.
		EBV-VCA IgM Adjustor	vP: Not available. vB: Not available.
		EBV-VCA IgM Controls	vP: Not available. vB: Not available.
		IgG/IgM sample Diluent	vP: Not available. vB: Not available.
Other hazards which do not result in classification	:	EBV-VCA IgM Reagent Wedge	None known.
		EBV-VCA IgM Adjustor	None known.
		EBV-VCA IgM Controls	None known.
		IgG/IgM sample Diluent	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

3.2 Mixtures	:	EBV-VCA IgM Reagent Wedge	Mixture
		EBV-VCA IgM Adjustor	Mixture
		EBV-VCA IgM Controls	Mixture
		IgG/IgM sample Diluent	Mixture

Product/ingredient name	Identifiers	%	Classification Regulation (EC) No. 1272/2008 [CLP]	Type
EBV-VCA IgM Reagent Wedge				
zinc chloride	EC: 231-592-0 CAS: 7646-85-7 Index: 030-003-00-2	<5	Acute Tox. 4, H302 Skin Corr. 1B, H314 STOT SE 3, H335 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=1)	[1] [2]
aminocaproic acid	EC: 200-469-3 CAS: 60-32-2	≤3	Eye Irrit. 2, H319	[1]
EBV-VCA IgM Adjustor				
aminocaproic acid	EC: 200-469-3 CAS: 60-32-2	<10	Eye Irrit. 2, H319	[1]
sodium azide	EC: 247-852-1 CAS: 26628-22-8 Index: 011-004-00-7	<2.5	Acute Tox. 2, H300 Acute Tox. 1, H310 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1) EUH032	[1] [2]
EBV-VCA IgM Controls				
sodium azide	EC: 247-852-1 CAS: 26628-22-8 Index: 011-004-00-7	≤1	Acute Tox. 2, H300 Acute Tox. 1, H310 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1) EUH032	[1] [2]
IgG/IgM sample Diluent				

SECTION 3: Composition/information on ingredients

aminocaproic acid	EC: 200-469-3 CAS: 60-32-2	≤3	Eye Irrit. 2, H319 See Section 16 for the full text of the H statements declared above.	[1]

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

Type

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

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

SECTION 4: First aid measures

4.1 Description of first aid measures

Eye contact :

EBV-VCA IgM Reagent Wedge: Get medical attention immediately. Call a poison center or physician. 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. Chemical burns must be treated promptly by a physician.

EBV-VCA IgM Adjustor: 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.

EBV-VCA IgM Controls: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.

IgG/IgM sample Diluent: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

Inhalation :

EBV-VCA IgM Reagent Wedge: Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. 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. If unconscious,

SECTION 4: First aid measures

		place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
	EBV-VCA IgM Adjustor	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 unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
	EBV-VCA IgM Controls	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
	IgG/IgM sample Diluent	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Skin contact :	EBV-VCA IgM Reagent Wedge	Get medical attention immediately. Call a poison center or physician. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician.

SECTION 4: First aid measures

			Wash clothing before reuse. Clean shoes thoroughly before reuse.
		EBV-VCA IgM Adjustor	Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. If necessary, call a poison center or physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.
		EBV-VCA IgM Controls	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.
		IgG/IgM sample Diluent	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Ingestion	:	EBV-VCA IgM Reagent Wedge	Get medical attention immediately. Call a poison center or physician. 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. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
		EBV-VCA IgM Adjustor	Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. If necessary, call a

SECTION 4: First aid measures

		poison center or physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
	EBV-VCA IgM Controls	Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get 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.
	IgG/IgM sample Diluent	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
Protection of first-aiders :	EBV-VCA IgM Reagent Wedge	No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.
	EBV-VCA IgM Adjustor	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.
	EBV-VCA IgM Controls	No action shall be taken involving any personal risk or without suitable training.

SECTION 4: First aid measures

		It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
	IgG/IgM sample Diluent	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 :	EBV-VCA IgM Reagent Wedge	Causes serious eye damage.
	EBV-VCA IgM Adjustor	No known significant effects or critical hazards.
	EBV-VCA IgM Controls	No known significant effects or critical hazards.
	IgG/IgM sample Diluent	No known significant effects or critical hazards.
Inhalation :	EBV-VCA IgM Reagent Wedge	No known significant effects or critical hazards.
	EBV-VCA IgM Adjustor	No known significant effects or critical hazards.
	EBV-VCA IgM Controls	No known significant effects or critical hazards.
	IgG/IgM sample Diluent	No known significant effects or critical hazards.
Skin contact :	EBV-VCA IgM Reagent Wedge	Causes skin irritation.
	EBV-VCA IgM Adjustor	Toxic in contact with skin.
	EBV-VCA IgM Controls	No known significant effects or critical hazards.
	IgG/IgM sample Diluent	No known significant effects or critical hazards.
Ingestion :	EBV-VCA IgM Reagent Wedge	No known significant effects or critical hazards.
	EBV-VCA IgM Adjustor	Harmful if swallowed.
	EBV-VCA IgM Controls	No known significant effects or critical hazards.
	IgG/IgM sample Diluent	No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact :	EBV-VCA IgM Reagent Wedge	Adverse symptoms may include the following: pain watering redness
	EBV-VCA IgM Adjustor	No specific data.
	EBV-VCA IgM Controls	No specific data.
	IgG/IgM sample Diluent	No specific data.
Inhalation :	EBV-VCA IgM Reagent Wedge	No specific data.
	EBV-VCA IgM Adjustor	No specific data.
	EBV-VCA IgM Controls	No specific data.
	IgG/IgM sample Diluent	No specific data.

SECTION 4: First aid measures

Skin contact	:	EBV-VCA IgM Reagent Wedge	Adverse symptoms may include the following: pain or irritation redness blistering may occur
		EBV-VCA IgM Adjustor	No specific data.
		EBV-VCA IgM Controls	No specific data.
		IgG/IgM sample Diluent	No specific data.
Ingestion	:	EBV-VCA IgM Reagent Wedge	Adverse symptoms may include the following: stomach pains
		EBV-VCA IgM Adjustor	No specific data.
		EBV-VCA IgM Controls	No specific data.
		IgG/IgM sample Diluent	No specific data.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician	:	EBV-VCA IgM 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.
		EBV-VCA IgM Adjustor	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.
		EBV-VCA IgM Controls	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
		IgG/IgM sample Diluent	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Specific treatments	:	EBV-VCA IgM Reagent Wedge	No specific treatment.
		EBV-VCA IgM Adjustor	No specific treatment.
		EBV-VCA IgM Controls	No specific treatment.
		IgG/IgM sample Diluent	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. This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

SECTION 5: Firefighting measures

Hazardous thermal decomposition products : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
nitrogen oxides
sulfur oxides
halogenated compounds
metal oxide/oxides

5.3 Advice for firefighters

Special protective actions for fire-fighters : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

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

6.2 Environmental precautions : Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.

6.3 Methods and material for containment and cleaning up

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

Large spill : Stop leak if without risk. Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product.

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

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures : Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Avoid release to the environment. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

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

7.2 Conditions for safe storage, including any incompatibilities

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

Seveso Directive - Reporting thresholds (in tonnes)

Danger criteria

Category	Notification and MAPP threshold	Safety report threshold
EBV-VCA IgM Reagent Wedge		
E1: Hazardous to the aquatic environment - Acute 1 or Chronic 1	100	200
C9i: Very toxic for the environment	100	200
EBV-VCA IgM Adjustor		
C2: Toxic	50	200

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

Product/ingredient name	Exposure limit values
EBV-VCA IgM Reagent Wedge zinc chloride	**EH40/2005 WELs (United Kingdom (UK), 12/2011).** STEL: 2 mg/m³ 15 minutes. Form: Fume TWA: 1 mg/m³ 8 hours. Form: Fume
EBV-VCA IgM Adjustor sodium azide	**EH40/2005 WELs (United Kingdom (UK), 12/2011). Absorbed through skin. Notes: as NaN3**

SECTION 8: Exposure controls/personal protection

	STEL: 0.3 mg/m³, (as NaN3) 15 minutes. TWA: 0.1 mg/m³, (as NaN3) 8 hours.
EBV-VCA IgM Controls sodium azide	**EH40/2005 WELs (United Kingdom (UK), 12/2011). Absorbed through skin. Notes: as NaN3** STEL: 0.3 mg/m³, (as NaN3) 15 minutes. TWA: 0.1 mg/m³, (as NaN3) 8 hours.

Recommended monitoring procedures : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

DNELs/DMELs

No DNELs/DMELs available.

PNECs

No PNECs available

8.2 Exposure controls

Appropriate engineering controls : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Individual protection measures

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

Skin protection

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

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.

SECTION 8: Exposure controls/personal protection

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 :	EBV-VCA IgM Reagent Wedge	Liquid.
	EBV-VCA IgM Adjustor	Solid.
	EBV-VCA IgM Controls	Solid.
	IgG/IgM sample Diluent	Liquid.
Colour :	EBV-VCA IgM Reagent Wedge	Not relevant/applicable due to nature of the product.
	EBV-VCA IgM Adjustor	Not relevant/applicable due to nature of the product.
	EBV-VCA IgM Controls	Not relevant/applicable due to nature of the product.
	IgG/IgM sample Diluent	Not relevant/applicable due to nature of the product.
Odour :	EBV-VCA IgM Reagent Wedge	Not relevant/applicable due to nature of the product.
	EBV-VCA IgM Adjustor	Not relevant/applicable due to nature of the product.
	EBV-VCA IgM Controls	Not relevant/applicable due to nature of the product.
	IgG/IgM sample Diluent	Not relevant/applicable due to nature of the product.
Odour threshold :	EBV-VCA IgM Reagent Wedge	Not relevant/applicable due to nature of the product.
	EBV-VCA IgM Adjustor	Not relevant/applicable due to nature of the product.
	EBV-VCA IgM Controls	Not relevant/applicable due to nature of the product.
	IgG/IgM sample Diluent	Not relevant/applicable due to nature of the product.
pH :	EBV-VCA IgM Reagent Wedge	Not available.
	EBV-VCA IgM Adjustor	Not applicable.
	EBV-VCA IgM Controls	Not applicable.
	IgG/IgM sample Diluent	Not available.
Melting point/freezing point :	EBV-VCA IgM Reagent Wedge	Not available.
	EBV-VCA IgM Adjustor	Not available.
	EBV-VCA IgM Controls	Not available.
	IgG/IgM sample Diluent	Not available.

SECTION 9: Physical and chemical properties

Initial boiling point and boiling range	:	EBV-VCA IgM Reagent Wedge	Not available.
		EBV-VCA IgM Adjustor	Not available.
		EBV-VCA IgM Controls	Not available.
		IgG/IgM sample Diluent	Not available.
Flash point	:	EBV-VCA IgM Reagent Wedge	Not available.
		EBV-VCA IgM Adjustor	Not available.
		EBV-VCA IgM Controls	Not available.
		IgG/IgM sample Diluent	Not available.
Evaporation rate	:	EBV-VCA IgM Reagent Wedge	Not relevant/applicable due to nature of the product.
		EBV-VCA IgM Adjustor	Not relevant/applicable due to nature of the product.
		EBV-VCA IgM Controls	Not relevant/applicable due to nature of the product.
		IgG/IgM sample Diluent	Not relevant/applicable due to nature of the product.
Flammability (solid, gas)	:	EBV-VCA IgM Reagent Wedge	Not relevant/applicable due to nature of the product.
		EBV-VCA IgM Adjustor	Not relevant/applicable due to nature of the product.
		EBV-VCA IgM Controls	Not relevant/applicable due to nature of the product.
		IgG/IgM sample Diluent	Not relevant/applicable due to nature of the product.
Upper/lower flammability or explosive limits	:	EBV-VCA IgM Reagent Wedge	Not relevant/applicable due to nature of the product.
		EBV-VCA IgM Adjustor	Not relevant/applicable due to nature of the product.
		EBV-VCA IgM Controls	Not relevant/applicable due to nature of the product.
		IgG/IgM sample Diluent	Not relevant/applicable due to nature of the product.
Vapour pressure	:	EBV-VCA IgM Reagent Wedge	Not relevant/applicable due to nature of the product.
		EBV-VCA IgM Adjustor	Not relevant/applicable due to nature of the product.
		EBV-VCA IgM Controls	Not relevant/applicable due to nature of the product.
		IgG/IgM sample Diluent	Not relevant/applicable due to nature of the product.
Vapour density	:	EBV-VCA IgM Reagent Wedge	Not relevant/applicable due to nature of the product.
		EBV-VCA IgM Adjustor	Not relevant/applicable due to nature of the product.
		EBV-VCA IgM Controls	Not relevant/applicable due to nature of the product.
		IgG/IgM sample Diluent	Not relevant/applicable due to nature of the product.
Relative density	:	EBV-VCA IgM Reagent Wedge	Not relevant/applicable due to nature of the product.
		EBV-VCA IgM Adjustor	Not relevant/applicable due to nature of the product.
		EBV-VCA IgM Controls	Not relevant/applicable due to nature of the product.
		IgG/IgM sample Diluent	Not relevant/applicable due to nature of the product.

SECTION 9: Physical and chemical properties

Solubility(ies)	:	EBV-VCA IgM Reagent Wedge	Not relevant/applicable due to nature of the product.
		EBV-VCA IgM Adjustor	Not relevant/applicable due to nature of the product.
		EBV-VCA IgM Controls	Not relevant/applicable due to nature of the product.
		IgG/IgM sample Diluent	Not relevant/applicable due to nature of the product.
Solubility in water	:	EBV-VCA IgM Reagent Wedge	Not relevant/applicable due to nature of the product.
		EBV-VCA IgM Adjustor	Not relevant/applicable due to nature of the product.
		EBV-VCA IgM Controls	Not relevant/applicable due to nature of the product.
		IgG/IgM sample Diluent	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	:	EBV-VCA IgM Reagent Wedge	Not relevant/applicable due to nature of the product.
		EBV-VCA IgM Adjustor	Not relevant/applicable due to nature of the product.
		EBV-VCA IgM Controls	Not relevant/applicable due to nature of the product.
		IgG/IgM sample Diluent	Not relevant/applicable due to nature of the product.
Decomposition temperature	:	EBV-VCA IgM Reagent Wedge	Not relevant/applicable due to nature of the product.
		EBV-VCA IgM Adjustor	Not relevant/applicable due to nature of the product.
		EBV-VCA IgM Controls	Not relevant/applicable due to nature of the product.
		IgG/IgM sample Diluent	Not relevant/applicable due to nature of the product.
Viscosity	:	Not relevant/applicable due to nature of the product.	
Explosive properties	:	EBV-VCA IgM Reagent Wedge	Slightly explosive in the presence of the following materials or conditions: combustible materials.
		EBV-VCA IgM Adjustor	Explosive in the presence of the following materials or conditions: metals, acids and moisture.
		EBV-VCA IgM Controls	Not relevant/applicable due to nature of the product.
		IgG/IgM sample Diluent	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	: EBV-VCA IgM Reagent Wedge	No specific test data related to reactivity available for this product or its ingredients.
	EBV-VCA IgM Adjustor	No specific test data related to reactivity available for this product or its ingredients.
	EBV-VCA IgM Controls	No specific test data related to reactivity available for this product or its ingredients.
	IgG/IgM sample Diluent	No specific test data related to reactivity available for this product or its ingredients.
10.2 Chemical stability	: EBV-VCA IgM Reagent Wedge	The product is stable.
	EBV-VCA IgM Adjustor	The product is stable.
	EBV-VCA IgM Controls	The product is stable.
	IgG/IgM sample Diluent	The product is stable.
10.3 Possibility of hazardous reactions	: EBV-VCA IgM Reagent Wedge	Under normal conditions of storage and use, hazardous reactions will not occur.
	EBV-VCA IgM Adjustor	Under normal conditions of storage and use, hazardous reactions will not occur.
	EBV-VCA IgM Controls	Under normal conditions of storage and use, hazardous reactions will not occur.
	IgG/IgM sample Diluent	Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Conditions to avoid	: EBV-VCA IgM Reagent Wedge	No specific data.
	EBV-VCA IgM Adjustor	No specific data.
	EBV-VCA IgM Controls	No specific data.
	IgG/IgM sample Diluent	No specific data.
10.5 Incompatible materials	: EBV-VCA IgM Reagent Wedge	No specific data.
	EBV-VCA IgM Adjustor	No specific data.
	EBV-VCA IgM Controls	No specific data.
	IgG/IgM sample Diluent	No specific data.
10.6 Hazardous decomposition products	: EBV-VCA IgM Reagent Wedge	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	EBV-VCA IgM Adjustor	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	EBV-VCA IgM Controls	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	IgG/IgM sample Diluent	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
EBV-VCA IgM Reagent Wedge				
zinc chloride	LD50 Oral	Rat	350 mg/kg	-
EBV-VCA IgM Adjustor				
sodium azide	LD50 Dermal	Rabbit	20 mg/kg	-
	LD50 Dermal	Rat	50 mg/kg	-
	LD50 Oral	Rat	27 mg/kg	-
EBV-VCA IgM Controls				
sodium azide	LD50 Dermal	Rabbit	20 mg/kg	-
	LD50 Dermal	Rat	50 mg/kg	-
	LD50 Oral	Rat	27 mg/kg	-

Conclusion/Summary :

EBV-VCA IgM Reagent Wedge	Not available.
EBV-VCA IgM Adjustor	Not available.
EBV-VCA IgM Controls	Not available.
IgG/IgM sample Diluent	Not available.

Acute toxicity estimates

Route	ATE value
EBV-VCA IgM Reagent Wedge	
Oral	8255.9 mg/kg
EBV-VCA IgM Adjustor	
Oral	1279.6 mg/kg
Dermal	947.9 mg/kg
EBV-VCA IgM Controls	
Oral	3437.9 mg/kg
Dermal	2546.6 mg/kg
IgG/IgM sample Diluent	
Oral	27499.5 mg/kg
Dermal	20370 mg/kg

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
EBV-VCA IgM Reagent Wedge					
zinc chloride	Skin - Severe irritant	Rabbit	-	120 hours 1 Percent	-
aminocaproic acid	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
EBV-VCA IgM Adjustor					
aminocaproic acid	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
IgG/IgM sample Diluent					
aminocaproic acid	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-

Conclusion/Summary

SECTION 11: Toxicological information

Skin	:	EBV-VCA IgM Reagent Wedge	Not available.
		EBV-VCA IgM Adjustor	Not available.
		EBV-VCA IgM Controls	Not available.
		IgG/IgM sample Diluent	Not available.
Eyes	:	EBV-VCA IgM Reagent Wedge	Not available.
		EBV-VCA IgM Adjustor	Not available.
		EBV-VCA IgM Controls	Not available.
		IgG/IgM sample Diluent	Not available.
Respiratory	:	EBV-VCA IgM Reagent Wedge	Not available.
		EBV-VCA IgM Adjustor	Not available.
		EBV-VCA IgM Controls	Not available.
		IgG/IgM sample Diluent	Not available.

Sensitisation

Conclusion/Summary

Skin	:	EBV-VCA IgM Reagent Wedge	Not available.
		EBV-VCA IgM Adjustor	Not available.
		EBV-VCA IgM Controls	Not available.
		IgG/IgM sample Diluent	Not available.
Respiratory	:	EBV-VCA IgM Reagent Wedge	Not available.
		EBV-VCA IgM Adjustor	Not available.
		EBV-VCA IgM Controls	Not available.
		IgG/IgM sample Diluent	Not available.

Mutagenicity

Conclusion/Summary	:	EBV-VCA IgM Reagent Wedge	Not available.
		EBV-VCA IgM Adjustor	Not available.
		EBV-VCA IgM Controls	Not available.
		IgG/IgM sample Diluent	Not available.

Carcinogenicity

Conclusion/Summary	:	EBV-VCA IgM Reagent Wedge	Not available.
		EBV-VCA IgM Adjustor	Not available.
		EBV-VCA IgM Controls	Not available.
		IgG/IgM sample Diluent	Not available.

Reproductive toxicity

Conclusion/Summary	:	EBV-VCA IgM Reagent Wedge	Not available.
		EBV-VCA IgM Adjustor	Not available.
		EBV-VCA IgM Controls	Not available.
		IgG/IgM sample Diluent	Not available.

Teratogenicity

Conclusion/Summary	:	EBV-VCA IgM Reagent Wedge	Not available.
		EBV-VCA IgM Adjustor	Not available.
		EBV-VCA IgM Controls	Not available.
		IgG/IgM sample Diluent	Not available.

Specific target organ toxicity (single exposure)

Product/ingredient name	Category	Route of exposure	Target organs
EBV-VCA IgM Reagent Wedge zinc chloride	Category 3	Not applicable.	Respiratory tract irritation

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

SECTION 11: Toxicological information

Not available.

Information on likely routes of exposure	:	EBV-VCA IgM Reagent Wedge	Not available.
		EBV-VCA IgM Adjustor	Not available.
		EBV-VCA IgM Controls	Not available.
		IgG/IgM sample Diluent	Not available.

Potential acute health effects

Eye contact	:	EBV-VCA IgM Reagent Wedge	Causes serious eye damage.
		EBV-VCA IgM Adjustor	No known significant effects or critical hazards.
		EBV-VCA IgM Controls	No known significant effects or critical hazards.
		IgG/IgM sample Diluent	No known significant effects or critical hazards.
Inhalation	:	EBV-VCA IgM Reagent Wedge	No known significant effects or critical hazards.
		EBV-VCA IgM Adjustor	No known significant effects or critical hazards.
		EBV-VCA IgM Controls	No known significant effects or critical hazards.
		IgG/IgM sample Diluent	No known significant effects or critical hazards.
Skin contact	:	EBV-VCA IgM Reagent Wedge	Causes skin irritation.
		EBV-VCA IgM Adjustor	Toxic in contact with skin.
		EBV-VCA IgM Controls	No known significant effects or critical hazards.
		IgG/IgM sample Diluent	No known significant effects or critical hazards.
Ingestion	:	EBV-VCA IgM Reagent Wedge	No known significant effects or critical hazards.
		EBV-VCA IgM Adjustor	Harmful if swallowed.
		EBV-VCA IgM Controls	No known significant effects or critical hazards.
		IgG/IgM sample Diluent	No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact	:	EBV-VCA IgM Reagent Wedge	Adverse symptoms may include the following: pain watering redness
		EBV-VCA IgM Adjustor	No specific data.
		EBV-VCA IgM Controls	No specific data.
		IgG/IgM sample Diluent	No specific data.
Inhalation	:	EBV-VCA IgM Reagent Wedge	No specific data.
		EBV-VCA IgM Adjustor	No specific data.
		EBV-VCA IgM Controls	No specific data.
		IgG/IgM sample Diluent	No specific data.

SECTION 11: Toxicological information

Skin contact	:	EBV-VCA IgM Reagent Wedge	Adverse symptoms may include the following: pain or irritation redness blistering may occur
		EBV-VCA IgM Adjustor	No specific data.
		EBV-VCA IgM Controls	No specific data.
		IgG/IgM sample Diluent	No specific data.
Ingestion	:	EBV-VCA IgM Reagent Wedge	Adverse symptoms may include the following: stomach pains
		EBV-VCA IgM Adjustor	No specific data.
		EBV-VCA IgM Controls	No specific data.
		IgG/IgM sample Diluent	No specific data.

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

Short term exposure

Potential immediate effects	:	EBV-VCA IgM Reagent Wedge	Not available.
		EBV-VCA IgM Adjustor	Not available.
		EBV-VCA IgM Controls	Not available.
		IgG/IgM sample Diluent	Not available.
Potential delayed effects	:	EBV-VCA IgM Reagent Wedge	Not available.
		EBV-VCA IgM Adjustor	Not available.
		EBV-VCA IgM Controls	Not available.
		IgG/IgM sample Diluent	Not available.

Long term exposure

Potential immediate effects	:	EBV-VCA IgM Reagent Wedge	Not available.
		EBV-VCA IgM Adjustor	Not available.
		EBV-VCA IgM Controls	Not available.
		IgG/IgM sample Diluent	Not available.
Potential delayed effects	:	EBV-VCA IgM Reagent Wedge	Not available.
		EBV-VCA IgM Adjustor	Not available.
		EBV-VCA IgM Controls	Not available.
		IgG/IgM sample Diluent	Not available.

Potential chronic health effects

Not available.

Conclusion/Summary	:	EBV-VCA IgM Reagent Wedge	Not available.
		EBV-VCA IgM Adjustor	Not available.
		EBV-VCA IgM Controls	Not available.
		IgG/IgM sample Diluent	Not available.
General	:	EBV-VCA IgM Reagent Wedge	No known significant effects or critical hazards.
		EBV-VCA IgM Adjustor	No known significant effects or critical hazards.
		EBV-VCA IgM Controls	No known significant effects or critical hazards.
		IgG/IgM sample Diluent	No known significant effects or critical hazards.

SECTION 11: Toxicological information

Carcinogenicity	:	EBV-VCA IgM Reagent Wedge	No known significant effects or critical hazards.
		EBV-VCA IgM Adjustor	No known significant effects or critical hazards.
		EBV-VCA IgM Controls	No known significant effects or critical hazards.
		IgG/IgM sample Diluent	No known significant effects or critical hazards.
Mutagenicity	:	EBV-VCA IgM Reagent Wedge	No known significant effects or critical hazards.
		EBV-VCA IgM Adjustor	No known significant effects or critical hazards.
		EBV-VCA IgM Controls	No known significant effects or critical hazards.
		IgG/IgM sample Diluent	No known significant effects or critical hazards.
Teratogenicity	:	EBV-VCA IgM Reagent Wedge	No known significant effects or critical hazards.
		EBV-VCA IgM Adjustor	No known significant effects or critical hazards.
		EBV-VCA IgM Controls	No known significant effects or critical hazards.
		IgG/IgM sample Diluent	No known significant effects or critical hazards.
Developmental effects	:	EBV-VCA IgM Reagent Wedge	No known significant effects or critical hazards.
		EBV-VCA IgM Adjustor	No known significant effects or critical hazards.
		EBV-VCA IgM Controls	No known significant effects or critical hazards.
		IgG/IgM sample Diluent	No known significant effects or critical hazards.
Fertility effects	:	EBV-VCA IgM Reagent Wedge	No known significant effects or critical hazards.
		EBV-VCA IgM Adjustor	No known significant effects or critical hazards.
		EBV-VCA IgM Controls	No known significant effects or critical hazards.
		IgG/IgM sample Diluent	No known significant effects or critical hazards.
Interactive effects	:	EBV-VCA IgM Reagent Wedge	Not available.
		EBV-VCA IgM Adjustor	Not available.
		EBV-VCA IgM Controls	Not available.
		IgG/IgM sample Diluent	Not available.

Toxicokinetics

Absorption	:	EBV-VCA IgM Reagent Wedge	Not available.
		EBV-VCA IgM Adjustor	Not available.
		EBV-VCA IgM Controls	Not available.
		IgG/IgM sample Diluent	Not available.
Distribution	:	EBV-VCA IgM Reagent Wedge	Not available.
		EBV-VCA IgM Adjustor	Not available.
		EBV-VCA IgM Controls	Not available.
		IgG/IgM sample Diluent	Not available.

SECTION 11: Toxicological information

Metabolism	:	EBV-VCA IgM Reagent Wedge	Not available.
		EBV-VCA IgM Adjustor	Not available.
		EBV-VCA IgM Controls	Not available.
		IgG/IgM sample Diluent	Not available.
Elimination	:	EBV-VCA IgM Reagent Wedge	Not available.
		EBV-VCA IgM Adjustor	Not available.
		EBV-VCA IgM Controls	Not available.
		IgG/IgM sample Diluent	Not available.
Other information	:	EBV-VCA IgM Reagent Wedge	Not available.
		EBV-VCA IgM Adjustor	Not available.
		EBV-VCA IgM Controls	Not available.
		IgG/IgM sample Diluent	Not available.

SECTION 12: Ecological information

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
EBV-VCA IgM Reagent Wedge			
zinc chloride	Acute EC50 26 µg/l	Algae - Navicula incerta	96 hours
	Acute EC50 34 µg/l Fresh water	Algae - Chlorella vulgaris - Exponential growth phase	72 hours
	Acute EC50 1.8 mg/l Fresh water	Aquatic plants - Lemna aequinoctialis	96 hours
	Acute EC50 100 µg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 49.99 µg/l Fresh water	Crustaceans - Moina irrasa - Neonate	48 hours
	Acute LC50 0.027 mg/l Marine water	Fish - Limanda punctatissima - Pre-larvae	96 hours
	Chronic NOEC 20 µg/l Marine water	Algae - Chlorella sp. - Exponential growth phase	72 hours
	Chronic NOEC 1000 µg/l Fresh water	Crustaceans - Procambarus clarkii - Intermolt	21 days
	Chronic NOEC 80 µg/l Fresh water	Daphnia - Daphnia magna - Juvenile (Fledgling, Hatchling, Weanling)	21 days
	Chronic NOEC 31.5 µg/l Fresh water	Fish - Oncorhynchus mykiss	30 days
EBV-VCA IgM Adjustor			
sodium azide	Acute EC50 0.348 mg/l Fresh water	Algae - Pseudokirchneriella subcapitata	96 hours
	Acute EC50 4.2 to 6.2 mg/l Fresh water	Daphnia - Daphnia pulex - Larvae	48 hours
	Acute LC50 9000 µg/l Fresh water	Crustaceans - Gammarus lacustris	48 hours
	Acute LC50 0.68 mg/l Fresh water	Fish - Lepomis macrochirus	96 hours
	Chronic NOEC 5600 µg/l Marine water	Algae - Macrocystis pyrifera	96 hours
EBV-VCA IgM Controls			
sodium azide	Acute EC50 0.348 mg/l Fresh water	Algae - Pseudokirchneriella subcapitata	96 hours
	Acute EC50 4.2 to 6.2 mg/l Fresh water	Daphnia - Daphnia pulex - Larvae	48 hours
	Acute LC50 9000 µg/l Fresh water	Crustaceans - Gammarus lacustris	48 hours

SECTION 12: Ecological information

	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 : EBV-VCA IgM Reagent Wedge — Not available.
EBV-VCA IgM Adjustor — Not available.
EBV-VCA IgM Controls — Not available.
IgG/IgM sample Diluent — Not available.

12.2 Persistence and degradability

Conclusion/Summary : EBV-VCA IgM Reagent Wedge — Not available.
EBV-VCA IgM Adjustor — Not available.
EBV-VCA IgM Controls — Not available.
IgG/IgM sample Diluent — Not available.

12.3 Bioaccumulative potential

Product/ingredient name	$LogP_{ow}$	BCF	Potential
EBV-VCA IgM Reagent Wedge			
zinc chloride	-	60960	high
aminocaproic acid	-2.95	-	low
EBV-VCA IgM Adjustor			
aminocaproic acid	-2.95	-	low
IgG/IgM sample Diluent			
aminocaproic acid	-2.95	-	low

12.4 Mobility in soil

Soil/water partition coefficient (K_{OC}) : EBV-VCA IgM Reagent Wedge — Not available.
EBV-VCA IgM Adjustor — Not available.
EBV-VCA IgM Controls — Not available.
IgG/IgM sample Diluent — Not available.

Mobility : EBV-VCA IgM Reagent Wedge — Not available.
EBV-VCA IgM Adjustor — Not available.
EBV-VCA IgM Controls — Not available.
IgG/IgM sample Diluent — Not available.

12.5 Results of PBT and vPvB assessment

PBT : EBV-VCA IgM Reagent Wedge — Not applicable.
EBV-VCA IgM Adjustor — Not applicable.
EBV-VCA IgM Controls — Not applicable.
IgG/IgM sample Diluent — Not applicable.

vPvB : EBV-VCA IgM Reagent Wedge — Not applicable.
EBV-VCA IgM Adjustor — Not applicable.
EBV-VCA IgM Controls — Not applicable.
IgG/IgM sample Diluent — Not applicable.

SECTION 12: Ecological information

12.6 Other adverse effects :

EBV-VCA IgM Reagent Wedge	No known significant effects or critical hazards.
EBV-VCA IgM Adjustor	No known significant effects or critical hazards.
EBV-VCA IgM Controls	No known significant effects or critical hazards.
IgG/IgM sample Diluent	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 :

EBV-VCA IgM Reagent Wedge	The classification of the product may meet the criteria for a hazardous waste.
EBV-VCA IgM Adjustor	The classification of the product may meet the criteria for a hazardous waste.
EBV-VCA IgM Controls	The classification of the product may meet the criteria for a hazardous waste.
IgG/IgM sample Diluent	Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 2008/98/EC.

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

Packaging

Methods of disposal : The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

Special precautions : This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

ADR/RID

14.1 UN number	EBV-VCA IgM Reagent Wedge	UN3082
	EBV-VCA IgM Adjustor	UN3288
	EBV-VCA IgM Controls	Not available.
	IgG/IgM sample Diluent	Not regulated.
14.2 UN proper shipping name	EBV-VCA IgM Reagent Wedge	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (zinc chloride)
	EBV-VCA IgM Adjustor	TOXIC SOLID, INORGANIC, N.O.S. (sodium azide)
	EBV-VCA IgM Controls	Not available.
	IgG/IgM sample Diluent	-

SECTION 14: Transport information

14.3 Transport hazard class(es)	EBV-VCA IgM Reagent Wedge	9
	EBV-VCA IgM Adjustor	6.1
	EBV-VCA IgM Controls	Not available.
	IgG/IgM sample Diluent	-
14.4 Packing group	EBV-VCA IgM Reagent Wedge	III
	EBV-VCA IgM Adjustor	III
	EBV-VCA IgM Controls	-
	IgG/IgM sample Diluent	-
14.5 Environmental hazards	EBV-VCA IgM Reagent Wedge	Yes.
	EBV-VCA IgM Adjustor	No.
	EBV-VCA IgM Controls	No.
	IgG/IgM sample Diluent	No.
Additional information	EBV-VCA IgM Reagent Wedge	This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8. **Tunnel code** (E)
	EBV-VCA IgM Adjustor	**Tunnel code** (E)
	EBV-VCA IgM Controls	-
	IgG/IgM sample Diluent	-

ADN

14.1 UN number	EBV-VCA IgM Reagent Wedge	UN3082
	EBV-VCA IgM Adjustor	UN3288
	EBV-VCA IgM Controls	9005
	IgG/IgM sample Diluent	Not regulated.
14.2 UN proper shipping name	EBV-VCA IgM Reagent Wedge	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (zinc chloride)
	EBV-VCA IgM Adjustor	TOXIC SOLID, INORGANIC, N.O.S. (sodium azide)
	EBV-VCA IgM Controls	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
	IgG/IgM sample Diluent	-
14.3 Transport hazard class(es)	EBV-VCA IgM Reagent Wedge	9
	EBV-VCA IgM Adjustor	6.1
	EBV-VCA IgM Controls	9
	IgG/IgM sample Diluent	-
14.4 Packing group	EBV-VCA IgM Reagent Wedge	III
	EBV-VCA IgM Adjustor	III
	EBV-VCA IgM Controls	-
	IgG/IgM sample Diluent	-
14.5 Environmental hazards	EBV-VCA IgM Reagent Wedge	Yes.
	EBV-VCA IgM Adjustor	Yes.
	EBV-VCA IgM Controls	Yes.
	IgG/IgM sample Diluent	No.

SECTION 14: Transport information

Additional information	EBV-VCA IgM Reagent Wedge	This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.
	EBV-VCA IgM Adjustor	The product is only regulated as an environmentally hazardous substance when transported in tank vessels.
	EBV-VCA IgM Controls	The product is only regulated as a dangerous good when transported in tank vessels.
	IgG/IgM sample Diluent	-

IMDG

14.1 UN number	EBV-VCA IgM Reagent Wedge	UN3082
	EBV-VCA IgM Adjustor	UN3288
	EBV-VCA IgM Controls	Not available.
	IgG/IgM sample Diluent	Not regulated.
14.2 UN proper shipping name	EBV-VCA IgM Reagent Wedge	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (zinc chloride)
	EBV-VCA IgM Adjustor	TOXIC SOLID, INORGANIC, N.O.S. (sodium azide)
	EBV-VCA IgM Controls	Not available.
	IgG/IgM sample Diluent	-
14.3 Transport hazard class(es)	EBV-VCA IgM Reagent Wedge	9
	EBV-VCA IgM Adjustor	6.1
	EBV-VCA IgM Controls	Not available.
	IgG/IgM sample Diluent	-
14.4 Packing group	EBV-VCA IgM Reagent Wedge	III
	EBV-VCA IgM Adjustor	III
	EBV-VCA IgM Controls	-
	IgG/IgM sample Diluent	-
14.5 Environmental hazards	EBV-VCA IgM Reagent Wedge	Yes.
	EBV-VCA IgM Adjustor	No.
	EBV-VCA IgM Controls	No.
	IgG/IgM sample Diluent	No.
Additional information	EBV-VCA IgM Reagent Wedge	This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.
	EBV-VCA IgM Adjustor	-
	EBV-VCA IgM Controls	-
	IgG/IgM sample Diluent	-

IATA

14.1 UN number	EBV-VCA IgM Reagent Wedge	UN3082
	EBV-VCA IgM Adjustor	UN3288
	EBV-VCA IgM Controls	Not available.
	IgG/IgM sample Diluent	Not regulated.

SECTION 14: Transport information

14.2 UN proper shipping name	EBV-VCA IgM Reagent Wedge	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (zinc chloride)
	EBV-VCA IgM Adjustor	TOXIC SOLID, INORGANIC, N.O.S. (sodium azide)
	EBV-VCA IgM Controls	Not available.
	IgG/IgM sample Diluent	-
14.3 Transport hazard class(es)	EBV-VCA IgM Reagent Wedge	9
	EBV-VCA IgM Adjustor	6.1
	EBV-VCA IgM Controls	Not available.
	IgG/IgM sample Diluent	-
14.4 Packing group	EBV-VCA IgM Reagent Wedge	III
	EBV-VCA IgM Adjustor	III
	EBV-VCA IgM Controls	-
	IgG/IgM sample Diluent	-
14.5 Environmental hazards	EBV-VCA IgM Reagent Wedge	Yes.
	EBV-VCA IgM Adjustor	No.
	EBV-VCA IgM Controls	No.
	IgG/IgM sample Diluent	No.
Additional information	EBV-VCA IgM Reagent Wedge	This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 5.0.2.4.1, 5.0.2.6.1.1 and 5.0.2.8.
	EBV-VCA IgM Adjustor	-
	EBV-VCA IgM Controls	-
	IgG/IgM sample Diluent	-

14.6 Special precautions for user :	EBV-VCA IgM Reagent Wedge	**Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.
	EBV-VCA IgM Adjustor	**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.
	EBV-VCA IgM Controls	**Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.
	IgG/IgM sample Diluent	**Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

SECTION 14: Transport information

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	:	EBV-VCA IgM Reagent Wedge	Not applicable.
		EBV-VCA IgM Adjustor	Not applicable.
		EBV-VCA IgM Controls	Not applicable.
		IgG/IgM sample Diluent	Not applicable.

Other EU regulations

Europe inventory	:	EBV-VCA IgM Reagent Wedge	Not determined.
		EBV-VCA IgM Adjustor	Not determined.
		EBV-VCA IgM Controls	Not determined.
		IgG/IgM sample Diluent	All components are listed or exempted.
Black List Chemicals (76/464/EEC)	:	EBV-VCA IgM Reagent Wedge	Not listed
		EBV-VCA IgM Adjustor	Not listed
		EBV-VCA IgM Controls	Not listed
		IgG/IgM sample Diluent	Not listed
Industrial emissions (integrated pollution prevention and control) - Air	:	EBV-VCA IgM Reagent Wedge	Not listed
		EBV-VCA IgM Adjustor	Not listed
		EBV-VCA IgM Controls	Not listed
		IgG/IgM sample Diluent	Not listed
Industrial emissions (integrated pollution prevention and control) - Water	:	EBV-VCA IgM Reagent Wedge	Not listed
		EBV-VCA IgM Adjustor	Not listed
		EBV-VCA IgM Controls	Not listed
		IgG/IgM sample Diluent	Not listed

Ozone depleting substances (1005/2009/EU)

Not listed.

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

Not listed.

Seveso Directive

EBV-VCA IgM Reagent Wedge	This product is controlled under the Seveso Directive.
EBV-VCA IgM Adjustor	This product is controlled under the Seveso Directive.
EBV-VCA IgM Controls	This product is not controlled under the Seveso Directive.
IgG/IgM sample Diluent	This product is not controlled under the Seveso Directive.

Danger criteria

SECTION 15: Regulatory information

Category
EBV-VCA IgM Reagent Wedge E1: Hazardous to the aquatic environment - Acute 1 or Chronic 1 C9i: Very toxic for the environment **EBV-VCA IgM Adjustor** C2: Toxic

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
EBV-VCA IgM Reagent Wedge	
Skin Irrit. 2, H315	Calculation method
Eye Dam. 1, H318	Calculation method
Aquatic Acute 1, H400	Calculation method
Aquatic Chronic 2, H411	Calculation method
EBV-VCA IgM Adjustor	
Acute Tox. 4, H302	Calculation method
Acute Tox. 3, H311	Calculation method
Aquatic Chronic 3, H412	Calculation method
EBV-VCA IgM Controls	
Aquatic Chronic 3, H412	Calculation method

Full text of abbreviated H statements

SECTION 16: Other information

EBV-VCA IgM Reagent Wedge	
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
EBV-VCA IgM Adjustor	
H300	Fatal if swallowed.
H302	Harmful if swallowed.
H310	Fatal in contact with skin.
H311	Toxic in contact with skin.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EBV-VCA IgM Controls	
H300	Fatal if swallowed.
H310	Fatal in contact with skin.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
IgG/IgM sample Diluent	
H319	Causes serious eye irritation.

Full text of classifications [CLP/GHS]

EBV-VCA IgM Reagent Wedge	
Acute Tox. 4, H302	ACUTE TOXICITY (oral) - Category 4
Aquatic Acute 1, H400	ACUTE AQUATIC HAZARD - Category 1
Aquatic Chronic 1, H410	LONG-TERM AQUATIC HAZARD - Category 1
Aquatic Chronic 2, H411	LONG-TERM AQUATIC HAZARD - Category 2
Eye Dam. 1, H318	SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1
Eye Irrit. 2, H319	SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2
Skin Corr. 1B, H314	SKIN CORROSION/IRRITATION - Category 1B
Skin Irrit. 2, H315	SKIN CORROSION/IRRITATION - Category 2
STOT SE 3, H335	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3
EBV-VCA IgM Adjustor	
Acute Tox. 1, H310	ACUTE TOXICITY (dermal) - Category 1
Acute Tox. 2, H300	ACUTE TOXICITY (oral) - Category 2
Acute Tox. 3, H311	ACUTE TOXICITY (dermal) - Category 3
Acute Tox. 4, H302	ACUTE TOXICITY (oral) - Category 4
Aquatic Acute 1, H400	ACUTE AQUATIC HAZARD - Category 1
Aquatic Chronic 1, H410	LONG-TERM AQUATIC HAZARD - Category 1
Aquatic Chronic 3, H412	LONG-TERM AQUATIC HAZARD - Category 3
EUH032	Contact with acids liberates very toxic gas.
Eye Irrit. 2, H319	SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2
EBV-VCA IgM Controls	
Acute Tox. 1, H310	ACUTE TOXICITY (dermal) - Category 1
Acute Tox. 2, H300	ACUTE TOXICITY (oral) - Category 2

SECTION 16: Other information

Aquatic Acute 1, H400 Aquatic Chronic 1, H410 Aquatic Chronic 3, H412 EUH032	ACUTE AQUATIC HAZARD - Category 1 LONG-TERM AQUATIC HAZARD - Category 1 LONG-TERM AQUATIC HAZARD - Category 3 Contact with acids liberates very toxic gas.
IgG/IgM sample Diluent Eye Irrit. 2, H319	SERIOUS EYE DAMAGE/ EYE 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.