

SAFETY DATA SHEET

SIEMENS

ADVIA® Centaur HBsAg, 200 Test

MSDS no. : 03393362

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

1.1 Product identifier

Product name : ADVIA® Centaur HBsAg, 200 Test
Product code : 03393362, 10309057
Product description : Not available.

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

Not applicable.

1.3 Company/undertaking identification

Manufactured/supplied : Siemens Healthcare Diagnostics Limited
Sir William Siemens Square
Newton House
Camberley
Frimley
Surrey
GU16 8QD
UK

Phone: +44 (0) 1276 696000
Fax: +44 (0)1276 696133

e-mail address of person responsible for this SDS : dx.msds.healthcare@siemens.com

1.4 Emergency telephone number

: Poison Control:
In England and Wales:
NHS Direct – 0845 4647 or 111
In Scotland: NHS 24 – 08454 24 24 24
In the Republic of Ireland: 01 809 2166

CHEMTREC: 0870-8200418 (UK only)
00 + 1 + 703-527-3887 (UK & Ireland)
(International calls to the United Kingdom)

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

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition	:	ADVIA® Centaur HBsAg NMLP Reagent	Mixture
		ADVIA® Centaur HBsAg Solid Phase Reagent	Mixture
		ADVIA® Centaur HBsAg Binary Lite Reagent	Mixture
		ADVIA® Centaur HBsAg Low Calibrator	Mixture
		ADVIA® Centaur HBsAg High Calibrator	Mixture

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

ADVIA® Centaur HBsAg Low Calibrator

LONG-TERM AQUATIC HAZARD

Category 3

ADVIA® Centaur HBsAg NMLP Reagent	The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.
ADVIA® Centaur HBsAg Solid Phase Reagent	The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.
ADVIA® Centaur HBsAg Binary Lite Reagent	The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.
ADVIA® Centaur HBsAg Low Calibrator	The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.
ADVIA® Centaur HBsAg High Calibrator	The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.

Ingredients of unknown toxicity	:	ADVIA® Centaur HBsAg NMLP Reagent
		ADVIA® Centaur HBsAg Solid Phase Reagent
		ADVIA® Centaur HBsAg Binary Lite Reagent
		ADVIA® Centaur HBsAg Low Calibrator
		ADVIA® Centaur HBsAg High Calibrator

Ingredients of unknown ecotoxicity	:	ADVIA® Centaur HBsAg NMLP Reagent	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 2.2%
		ADVIA® Centaur HBsAg Solid Phase Reagent	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 2.7%
		ADVIA® Centaur HBsAg Binary Lite Reagent	
		ADVIA® Centaur HBsAg Low Calibrator	
		ADVIA® Centaur HBsAg High Calibrator	

Classification according to Directive 1999/45/EC [DPD]

ADVIA® Centaur HBsAg NMLP Reagent	The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.
ADVIA® Centaur HBsAg Solid Phase Reagent	The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.
ADVIA® Centaur HBsAg Binary Lite Reagent	The product is not classified as dangerous according to Directive

SECTION 2: Hazards identification

	ADVIA® Centaur HBsAg Low Calibrator	1999/45/EC and its amendments. The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.
	ADVIA® Centaur HBsAg High Calibrator	The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.
Classification	: ADVIA® Centaur HBsAg NMLP Reagent	Not classified.
	ADVIA® Centaur HBsAg Solid Phase Reagent	Not classified.
	ADVIA® Centaur HBsAg Binary Lite Reagent	Not classified.
	ADVIA® Centaur HBsAg Low Calibrator	Not classified.
	ADVIA® Centaur HBsAg High Calibrator	Not classified.
Physical/chemical hazards	: ADVIA® Centaur HBsAg NMLP Reagent	Not applicable.
	ADVIA® Centaur HBsAg Solid Phase Reagent	Not applicable.
	ADVIA® Centaur HBsAg Binary Lite Reagent	Not applicable.
	ADVIA® Centaur HBsAg Low Calibrator	Not applicable.
	ADVIA® Centaur HBsAg High Calibrator	Not applicable.
Human health hazards	: ADVIA® Centaur HBsAg NMLP Reagent	Not applicable.
	ADVIA® Centaur HBsAg Solid Phase Reagent	Not applicable.
	ADVIA® Centaur HBsAg Binary Lite Reagent	Not applicable.
	ADVIA® Centaur HBsAg Low Calibrator	Not applicable.
	ADVIA® Centaur HBsAg High Calibrator	Not applicable.
Environmental hazards	: ADVIA® Centaur HBsAg NMLP Reagent	Not applicable.
	ADVIA® Centaur HBsAg Solid Phase Reagent	Not applicable.
	ADVIA® Centaur HBsAg Binary Lite Reagent	Not applicable.
	ADVIA® Centaur HBsAg Low Calibrator	Not applicable.
	ADVIA® Centaur HBsAg High Calibrator	Not applicable.

See Section 16 for the full text of the R phrases or H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

Signal word	: ADVIA® Centaur HBsAg NMLP Reagent	No signal word.
	ADVIA® Centaur HBsAg Solid Phase Reagent	No signal word.
	ADVIA® Centaur HBsAg Binary Lite Reagent	No signal word.
	ADVIA® Centaur HBsAg Low Calibrator	No signal word.
	ADVIA® Centaur HBsAg High Calibrator	No signal word.
Hazard statements	: ADVIA® Centaur HBsAg NMLP Reagent	No known significant effects or critical hazards.
	ADVIA® Centaur HBsAg Solid Phase Reagent	No known significant effects or critical hazards.
	ADVIA® Centaur HBsAg Binary Lite Reagent	No known significant effects or critical hazards.
	ADVIA® Centaur HBsAg Low Calibrator	H412 - Harmful to aquatic life with long lasting effects.
	ADVIA® Centaur HBsAg High Calibrator	No known significant effects or critical hazards.

Precautionary statements

SECTION 2: Hazards identification

Prevention	:	ADVIA® Centaur HBsAg NMLP Reagent	Not applicable.
		ADVIA® Centaur HBsAg Solid Phase Reagent	Not applicable.
		ADVIA® Centaur HBsAg Binary Lite Reagent	Not applicable.
		ADVIA® Centaur HBsAg Low Calibrator	P273 - Avoid release to the environment.
		ADVIA® Centaur HBsAg High Calibrator	Not applicable.
Response	:	ADVIA® Centaur HBsAg NMLP Reagent	Not applicable.
		ADVIA® Centaur HBsAg Solid Phase Reagent	Not applicable.
		ADVIA® Centaur HBsAg Binary Lite Reagent	Not applicable.
		ADVIA® Centaur HBsAg Low Calibrator	Not applicable.
		ADVIA® Centaur HBsAg High Calibrator	Not applicable.
Storage	:	ADVIA® Centaur HBsAg NMLP Reagent	Not applicable.
		ADVIA® Centaur HBsAg Solid Phase Reagent	Not applicable.
		ADVIA® Centaur HBsAg Binary Lite Reagent	Not applicable.
		ADVIA® Centaur HBsAg Low Calibrator	Not applicable.
		ADVIA® Centaur HBsAg High Calibrator	Not applicable.
Disposal	:	ADVIA® Centaur HBsAg NMLP Reagent	Not applicable.
		ADVIA® Centaur HBsAg Solid Phase Reagent	Not applicable.
		ADVIA® Centaur HBsAg Binary Lite Reagent	Not applicable.
		ADVIA® Centaur HBsAg Low Calibrator	P501 - Dispose of contents and container in accordance with all local, regional, and national regulations.
		ADVIA® Centaur HBsAg High Calibrator	Not applicable.
	:		
Supplemental label elements	:	ADVIA® Centaur HBsAg NMLP Reagent	Not applicable.
		ADVIA® Centaur HBsAg Solid Phase Reagent	Safety data sheet available on request.
		ADVIA® Centaur HBsAg Binary Lite Reagent	Safety data sheet available on request.
		ADVIA® Centaur HBsAg Low Calibrator	Not applicable.
		ADVIA® Centaur HBsAg High Calibrator	Not applicable.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	:	ADVIA® Centaur HBsAg NMLP Reagent	Not applicable.
		ADVIA® Centaur HBsAg Solid Phase Reagent	Not applicable.
		ADVIA® Centaur HBsAg Binary Lite Reagent	Not applicable.
		ADVIA® Centaur HBsAg Low Calibrator	Not applicable.
		ADVIA® Centaur HBsAg High Calibrator	Not applicable.

2.3 Other hazards

Other hazards which do not result in classification	:	ADVIA® Centaur HBsAg NMLP Reagent	None known.
		ADVIA® Centaur HBsAg Solid Phase Reagent	None known.
		ADVIA® Centaur HBsAg Binary Lite Reagent	None known.
		ADVIA® Centaur HBsAg Low Calibrator	None known.
		ADVIA® Centaur HBsAg High Calibrator	None known.

ADVIA® Centaur HBsAg, 200 Test

SECTION 2: Hazards identification

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 : ADVIA® Centaur HBsAg NMLP Reagent Mixture
 ADVIA® Centaur HBsAg Solid Phase Mixture
 Reagent
 ADVIA® Centaur HBsAg Binary Lite Mixture
 Reagent
 ADVIA® Centaur HBsAg Low Calibrator Mixture
 ADVIA® Centaur HBsAg High Calibrator Mixture

Product/ingredient name	Identifiers	%	Classification		Type
			67/548/EEC	Regulation (EC) No. 1272/2008 [CLP]	
ADVIA® Centaur HBsAg Solid Phase Reagent Poly(oxy-1,2-ethanediyl), α-[4-(1,1,3,3-tetramethylbutyl)phenyl]-ω-hydroxy-	CAS: 9002-93-1	>=1, <5	Xi; R36	Acute Tox. 4, H302 Eye Irrit. 2, H319 Aquatic Chronic 2, H411	[1] [5]
ADVIA® Centaur HBsAg Binary Lite Reagent Poly(oxy-1,2-ethanediyl), α-[4-(1,1,3,3-tetramethylbutyl)phenyl]-ω-hydroxy-	CAS: 9002-93-1	>=1, <5	Xi; R36	Acute Tox. 4, H302 Eye Irrit. 2, H319 Aquatic Chronic 2, H411	[1] [5]
ADVIA® Centaur HBsAg Low Calibrator 2-methyl-2H-isothiazol-3-one	EC: 220-239-6 CAS: 2682-20-4	<0.1	Xn; R20/22 C; R34 R43 N; R50	Acute Tox. 3, H301 Acute Tox. 3, H311 Skin Corr. 1B, H314 Skin Sens. 1, H317 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	[1]
			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.

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

- : ADVIA® Centaur HBsAg NMLP Reagent 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.
- ADVIA® Centaur HBsAg Solid Phase Reagent 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.
- ADVIA® Centaur HBsAg Binary Lite Reagent 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.
- ADVIA® Centaur HBsAg Low Calibrator 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.
- ADVIA® Centaur HBsAg High Calibrator 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

- : ADVIA® Centaur HBsAg NMLP Reagent 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.
- ADVIA® Centaur HBsAg Solid Phase Reagent 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.
- ADVIA® Centaur HBsAg Binary Lite Reagent 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.
- ADVIA® Centaur HBsAg Low Calibrator 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

SECTION 4: First aid measures

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.

ADVIA® Centaur HBsAg High Calibrator
Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

Skin contact

: ADVIA® Centaur HBsAg NMLP Reagent
Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

ADVIA® Centaur HBsAg Solid Phase Reagent
Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

ADVIA® Centaur HBsAg Binary Lite Reagent
Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

ADVIA® Centaur HBsAg Low Calibrator
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.

ADVIA® Centaur HBsAg High Calibrator
Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

Ingestion

: ADVIA® Centaur HBsAg NMLP Reagent
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.

ADVIA® Centaur HBsAg Solid Phase Reagent
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.

ADVIA® Centaur HBsAg Binary Lite Reagent
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.

ADVIA® Centaur HBsAg Low Calibrator
Wash out mouth with water. Remove

SECTION 4: First aid measures

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.

ADVIA® Centaur HBsAg High Calibrator

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 : ADVIA® Centaur HBsAg NMLP Reagent

ADVIA® Centaur HBsAg Solid Phase Reagent
 ADVIA® Centaur HBsAg Binary Lite Reagent
 ADVIA® Centaur HBsAg Low Calibrator

No action shall be taken involving any personal risk or without suitable training. No action shall be taken involving any personal risk or without suitable training. No action shall be taken involving any personal risk or without suitable training. 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.

ADVIA® Centaur HBsAg High Calibrator

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

: ADVIA® Centaur HBsAg NMLP Reagent

No known significant effects or critical hazards.

ADVIA® Centaur HBsAg Solid Phase Reagent
 ADVIA® Centaur HBsAg Binary Lite Reagent

No known significant effects or critical hazards.

ADVIA® Centaur HBsAg Low Calibrator

No known significant effects or critical hazards.

ADVIA® Centaur HBsAg High Calibrator

No known significant effects or critical hazards.

SECTION 4: First aid measures

Inhalation	: ADVIA® Centaur HBsAg NMLP Reagent	Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
	ADVIA® Centaur HBsAg Solid Phase Reagent	Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
	ADVIA® Centaur HBsAg Binary Lite Reagent	Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
	ADVIA® Centaur HBsAg Low Calibrator	No known significant effects or critical hazards.
	ADVIA® Centaur HBsAg High Calibrator	No known significant effects or critical hazards.
Skin contact	: ADVIA® Centaur HBsAg NMLP Reagent	No known significant effects or critical hazards.
	ADVIA® Centaur HBsAg Solid Phase Reagent	No known significant effects or critical hazards.
	ADVIA® Centaur HBsAg Binary Lite Reagent	No known significant effects or critical hazards.
	ADVIA® Centaur HBsAg Low Calibrator	No known significant effects or critical hazards.
	ADVIA® Centaur HBsAg High Calibrator	No known significant effects or critical hazards.
Ingestion	: ADVIA® Centaur HBsAg NMLP Reagent	No known significant effects or critical hazards.
	ADVIA® Centaur HBsAg Solid Phase Reagent	No known significant effects or critical hazards.
	ADVIA® Centaur HBsAg Binary Lite Reagent	No known significant effects or critical hazards.
	ADVIA® Centaur HBsAg Low Calibrator	No known significant effects or critical hazards.
	ADVIA® Centaur HBsAg High Calibrator	No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact	: ADVIA® Centaur HBsAg NMLP Reagent	No specific data.
	ADVIA® Centaur HBsAg Solid Phase Reagent	No specific data.
	ADVIA® Centaur HBsAg Binary Lite Reagent	No specific data.
	ADVIA® Centaur HBsAg Low Calibrator	No specific data.
	ADVIA® Centaur HBsAg High Calibrator	No specific data.
Inhalation	: ADVIA® Centaur HBsAg NMLP Reagent	No specific data.
	ADVIA® Centaur HBsAg Solid Phase Reagent	No specific data.
	ADVIA® Centaur HBsAg Binary Lite Reagent	No specific data.
	ADVIA® Centaur HBsAg Low Calibrator	No specific data.
	ADVIA® Centaur HBsAg High Calibrator	No specific data.
Skin contact	: ADVIA® Centaur HBsAg NMLP Reagent	No specific data.
	ADVIA® Centaur HBsAg Solid Phase Reagent	No specific data.
	ADVIA® Centaur HBsAg Binary Lite Reagent	No specific data.
	ADVIA® Centaur HBsAg Low Calibrator	No specific data.
	ADVIA® Centaur HBsAg High Calibrator	No specific data.

SECTION 4: First aid measures

Ingestion	: ADVIA® Centaur HBsAg NMLP Reagent	No specific data.
	ADVIA® Centaur HBsAg Solid Phase Reagent	No specific data.
	ADVIA® Centaur HBsAg Binary Lite Reagent	No specific data.
	ADVIA® Centaur HBsAg Low Calibrator	No specific data.
	ADVIA® Centaur HBsAg High Calibrator	No specific data.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician	: ADVIA® Centaur HBsAg NMLP Reagent	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.
	ADVIA® Centaur HBsAg Solid Phase Reagent	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.
	ADVIA® Centaur HBsAg Binary Lite Reagent	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.
	ADVIA® Centaur HBsAg Low Calibrator	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	ADVIA® Centaur HBsAg High Calibrator	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	: ADVIA® Centaur HBsAg NMLP Reagent	No specific treatment.
	ADVIA® Centaur HBsAg Solid Phase Reagent	No specific treatment.
	ADVIA® Centaur HBsAg Binary Lite Reagent	No specific treatment.
	ADVIA® Centaur HBsAg Low Calibrator	No specific treatment.
	ADVIA® Centaur HBsAg High Calibrator	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 halogenated compounds

5.3 Advice for firefighters

SECTION 5: Firefighting measures

- Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
- For emergency responders** : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

6.2 Environmental precautions

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

6.3 Methods and materials for containment and cleaning up

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

6.4 Reference to other sections

- : See Section 1 for emergency contact information.
See Section 8 for information on appropriate personal protective equipment.
See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1 Precautions for safe handling

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

7.2 Conditions for safe storage, including any incompatibilities

SECTION 7: Handling and storage

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

7.3 Specific end use(s)

Recommendations : Not available.

Industrial sector specific solutions : Not available.

SECTION 8: Exposure controls/personal protection

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

8.1 Control parameters

Occupational exposure limits

No exposure limit value known.

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

SECTION 8: Exposure controls/personal protection

- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

- Physical state** : ADVIA® Centaur HBsAg NMLP Reagent Liquid.
 ADVIA® Centaur HBsAg Solid Phase Reagent Liquid.
 ADVIA® Centaur HBsAg Binary Lite Reagent Liquid.
 ADVIA® Centaur HBsAg Low Calibrator Reagent Liquid.
 ADVIA® Centaur HBsAg High Calibrator Reagent Liquid.
- Colour** : ADVIA® Centaur HBsAg NMLP Reagent Colourless to light yellow.
 ADVIA® Centaur HBsAg Solid Phase Reagent Colourless to light yellow.
 ADVIA® Centaur HBsAg Binary Lite Reagent Colourless to light yellow.
 ADVIA® Centaur HBsAg Low Calibrator Reagent Colourless.
 ADVIA® Centaur HBsAg High Calibrator Reagent Colourless.
- Odour** : ADVIA® Centaur HBsAg NMLP Reagent Odourless.
 ADVIA® Centaur HBsAg Solid Phase Reagent Odourless.
 ADVIA® Centaur HBsAg Binary Lite Reagent Odourless.
 ADVIA® Centaur HBsAg Low Calibrator Reagent Odourless.
 ADVIA® Centaur HBsAg High Calibrator Reagent Odourless.
- pH** : ADVIA® Centaur HBsAg NMLP Reagent 7.5
 ADVIA® Centaur HBsAg Solid Phase Reagent 7.5
 ADVIA® Centaur HBsAg Binary Lite Reagent 7.5
 ADVIA® Centaur HBsAg Low Calibrator Reagent 6.5
 ADVIA® Centaur HBsAg High Calibrator Reagent 6.5

SECTION 9: Physical and chemical properties

Melting point/freezing point	: ADVIA® Centaur HBsAg NMLP Reagent	Not available.
	ADVIA® Centaur HBsAg Solid Phase Reagent	Not available.
	ADVIA® Centaur HBsAg Binary Lite Reagent	Not available.
	ADVIA® Centaur HBsAg Low Calibrator	Not available.
	ADVIA® Centaur HBsAg High Calibrator	Not available.
Initial boiling point and boiling range	: ADVIA® Centaur HBsAg NMLP Reagent	Not available.
	ADVIA® Centaur HBsAg Solid Phase Reagent	Not available.
	ADVIA® Centaur HBsAg Binary Lite Reagent	Not available.
	ADVIA® Centaur HBsAg Low Calibrator	Not available.
	ADVIA® Centaur HBsAg High Calibrator	Not available.
Flash point	: ADVIA® Centaur HBsAg NMLP Reagent	Not available.
	ADVIA® Centaur HBsAg Solid Phase Reagent	Not available.
	ADVIA® Centaur HBsAg Binary Lite Reagent	Not available.
	ADVIA® Centaur HBsAg Low Calibrator	Not available.
	ADVIA® Centaur HBsAg High Calibrator	Not available.
Evaporation rate	: ADVIA® Centaur HBsAg NMLP Reagent	Not available.
	ADVIA® Centaur HBsAg Solid Phase Reagent	Not available.
	ADVIA® Centaur HBsAg Binary Lite Reagent	Not available.
	ADVIA® Centaur HBsAg Low Calibrator	Not available.
	ADVIA® Centaur HBsAg High Calibrator	Not available.
Flammability (solid, gas)	: ADVIA® Centaur HBsAg NMLP Reagent	Not available.
	ADVIA® Centaur HBsAg Solid Phase Reagent	Not available.
	ADVIA® Centaur HBsAg Binary Lite Reagent	Not available.
	ADVIA® Centaur HBsAg Low Calibrator	Not available.
	ADVIA® Centaur HBsAg High Calibrator	Not available.
Burning time	: ADVIA® Centaur HBsAg NMLP Reagent	Not applicable.
	ADVIA® Centaur HBsAg Solid Phase Reagent	Not applicable.
	ADVIA® Centaur HBsAg Binary Lite Reagent	Not applicable.
	ADVIA® Centaur HBsAg Low Calibrator	Not applicable.
	ADVIA® Centaur HBsAg High Calibrator	Not applicable.
Burning rate	: ADVIA® Centaur HBsAg NMLP Reagent	Not applicable.
	ADVIA® Centaur HBsAg Solid Phase Reagent	Not applicable.
	ADVIA® Centaur HBsAg Binary Lite Reagent	Not applicable.
	ADVIA® Centaur HBsAg Low Calibrator	Not applicable.
	ADVIA® Centaur HBsAg High Calibrator	Not applicable.

SECTION 9: Physical and chemical properties

Upper/lower flammability or explosive limits	: ADVIA® Centaur HBsAg NMLP Reagent	Not available.
	ADVIA® Centaur HBsAg Solid Phase Reagent	Not available.
	ADVIA® Centaur HBsAg Binary Lite Reagent	Not available.
	ADVIA® Centaur HBsAg Low Calibrator	Not available.
	ADVIA® Centaur HBsAg High Calibrator	Not available.
Vapour pressure	: ADVIA® Centaur HBsAg NMLP Reagent	Not available.
	ADVIA® Centaur HBsAg Solid Phase Reagent	Not available.
	ADVIA® Centaur HBsAg Binary Lite Reagent	Not available.
	ADVIA® Centaur HBsAg Low Calibrator	Not available.
	ADVIA® Centaur HBsAg High Calibrator	Not available.
Solubility in water	: ADVIA® Centaur HBsAg NMLP Reagent	Not available.
	ADVIA® Centaur HBsAg Solid Phase Reagent	Not available.
	ADVIA® Centaur HBsAg Binary Lite Reagent	Not available.
	ADVIA® Centaur HBsAg Low Calibrator	Not available.
	ADVIA® Centaur HBsAg High Calibrator	Not available.
Partition coefficient: n-octanol/ water	: ADVIA® Centaur HBsAg NMLP Reagent	Not available.
	ADVIA® Centaur HBsAg Solid Phase Reagent	Not available.
	ADVIA® Centaur HBsAg Binary Lite Reagent	Not available.
	ADVIA® Centaur HBsAg Low Calibrator	Not available.
	ADVIA® Centaur HBsAg High Calibrator	Not available.
Auto-ignition temperature	: ADVIA® Centaur HBsAg NMLP Reagent	Not available.
	ADVIA® Centaur HBsAg Solid Phase Reagent	Not available.
	ADVIA® Centaur HBsAg Binary Lite Reagent	Not available.
	ADVIA® Centaur HBsAg Low Calibrator	Not available.
	ADVIA® Centaur HBsAg High Calibrator	Not available.
Decomposition temperature	: ADVIA® Centaur HBsAg NMLP Reagent	Not available.
	ADVIA® Centaur HBsAg Solid Phase Reagent	Not available.
	ADVIA® Centaur HBsAg Binary Lite Reagent	Not available.
	ADVIA® Centaur HBsAg Low Calibrator	Not available.
	ADVIA® Centaur HBsAg High Calibrator	Not available.
Viscosity	: ADVIA® Centaur HBsAg NMLP Reagent	Not available.
	ADVIA® Centaur HBsAg Solid Phase Reagent	Not available.
	ADVIA® Centaur HBsAg Binary Lite Reagent	Not available.
	ADVIA® Centaur HBsAg Low Calibrator	Not available.
	ADVIA® Centaur HBsAg High Calibrator	Not available.

SECTION 9: Physical and chemical properties

Explosive properties	: ADVIA® Centaur HBsAg NMLP Reagent	Not available.
	ADVIA® Centaur HBsAg Solid Phase Reagent	Highly explosive in the presence of the following materials or conditions: oxidizing materials.
	ADVIA® Centaur HBsAg Binary Lite Reagent	Highly explosive in the presence of the following materials or conditions: oxidizing materials.
	ADVIA® Centaur HBsAg Low Calibrator	Not available.
	ADVIA® Centaur HBsAg High Calibrator	Not available.
Oxidising properties	: ADVIA® Centaur HBsAg NMLP Reagent	Not available.
	ADVIA® Centaur HBsAg Solid Phase Reagent	Not available.
	ADVIA® Centaur HBsAg Binary Lite Reagent	Not available.
	ADVIA® Centaur HBsAg Low Calibrator	Not available.
	ADVIA® Centaur HBsAg High Calibrator	Not available.

9.2 Other information

SADT	: Not available.
Aerosol product	
Type of aerosol	: Not applicable.
Heat of combustion	: Not available.
Ignition distance	: Not applicable.
Enclosed space ignition - Time equivalent	: Not applicable.
Enclosed space ignition - Deflagration density	: Not applicable.
Flame height	: Not applicable.
Flame duration	: Not applicable.

SECTION 10: Stability and reactivity

10.1 Reactivity	: ADVIA® Centaur HBsAg NMLP Reagent	No specific test data related to reactivity available for this product or its ingredients.
	ADVIA® Centaur HBsAg Solid Phase Reagent	No specific test data related to reactivity available for this product or its ingredients.
	ADVIA® Centaur HBsAg Binary Lite Reagent	No specific test data related to reactivity available for this product or its ingredients.
	ADVIA® Centaur HBsAg Low Calibrator	No specific test data related to reactivity available for this product or its ingredients.
	ADVIA® Centaur HBsAg High Calibrator	No specific test data related to reactivity available for this product or its ingredients.

SECTION 10: Stability and reactivity

10.2 Chemical stability	: ADVIA® Centaur HBsAg NMLP Reagent ADVIA® Centaur HBsAg Solid Phase Reagent ADVIA® Centaur HBsAg Binary Lite Reagent ADVIA® Centaur HBsAg Low Calibrator ADVIA® Centaur HBsAg High Calibrator	The product is stable. The product is stable. The product is stable. The product is stable. The product is stable.
10.3 Possibility of hazardous reactions	: ADVIA® Centaur HBsAg NMLP Reagent ADVIA® Centaur HBsAg Solid Phase Reagent ADVIA® Centaur HBsAg Binary Lite Reagent ADVIA® Centaur HBsAg Low Calibrator ADVIA® Centaur HBsAg High Calibrator	Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Conditions to avoid	: ADVIA® Centaur HBsAg NMLP Reagent ADVIA® Centaur HBsAg Solid Phase Reagent ADVIA® Centaur HBsAg Binary Lite Reagent ADVIA® Centaur HBsAg Low Calibrator ADVIA® Centaur HBsAg High Calibrator	No specific data. No specific data. No specific data. No specific data. No specific data.
10.5 Incompatible materials	: ADVIA® Centaur HBsAg NMLP Reagent ADVIA® Centaur HBsAg Solid Phase Reagent ADVIA® Centaur HBsAg Binary Lite Reagent ADVIA® Centaur HBsAg Low Calibrator ADVIA® Centaur HBsAg High Calibrator	No specific data. No specific data. No specific data. No specific data. No specific data.
10.6 Hazardous decomposition products	: ADVIA® Centaur HBsAg NMLP Reagent ADVIA® Centaur HBsAg Solid Phase Reagent ADVIA® Centaur HBsAg Binary Lite Reagent ADVIA® Centaur HBsAg Low Calibrator ADVIA® Centaur HBsAg High Calibrator	Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Conclusion/Summary	: ADVIA® Centaur HBsAg NMLP Reagent	Not available.
	ADVIA® Centaur HBsAg Solid Phase Reagent	Not available.
	ADVIA® Centaur HBsAg Binary Lite Reagent	Not available.
	ADVIA® Centaur HBsAg Low Calibrator	Not available.
	ADVIA® Centaur HBsAg High Calibrator	Not available.

Acute toxicity estimates

Route	ATE value
ADVIA® Centaur HBsAg Solid Phase Reagent Oral	50000 mg/kg
ADVIA® Centaur HBsAg Binary Lite Reagent Oral	50000 mg/kg

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
ADVIA® Centaur HBsAg Solid Phase Reagent Poly(oxy-1,2-ethanediyl), α-[4-(1,1,3,3-tetramethylbutyl)phenyl]-ω-hydroxy-	Eyes - Moderate irritant	Rabbit	-	24 hours 10 microliters	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 microliters	-
ADVIA® Centaur HBsAg Binary Lite Reagent Poly(oxy-1,2-ethanediyl), α-[4-(1,1,3,3-tetramethylbutyl)phenyl]-ω-hydroxy-	Eyes - Moderate irritant	Rabbit	-	24 hours 10 microliters	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 microliters	-

Conclusion/Summary

Skin	: ADVIA® Centaur HBsAg NMLP Reagent	Not available.
	ADVIA® Centaur HBsAg Solid Phase Reagent	Not available.
	ADVIA® Centaur HBsAg Binary Lite Reagent	Not available.
	ADVIA® Centaur HBsAg Low Calibrator	Not available.
	ADVIA® Centaur HBsAg High Calibrator	Not available.

Eyes	: ADVIA® Centaur HBsAg NMLP Reagent	Not available.
	ADVIA® Centaur HBsAg Solid Phase Reagent	Not available.
	ADVIA® Centaur HBsAg Binary Lite Reagent	Not available.
	ADVIA® Centaur HBsAg Low Calibrator	Not available.
	ADVIA® Centaur HBsAg High Calibrator	Not available.

Respiratory	: ADVIA® Centaur HBsAg NMLP Reagent	Not available.
	ADVIA® Centaur HBsAg Solid Phase Reagent	Not available.
	ADVIA® Centaur HBsAg Binary Lite Reagent	Not available.
	ADVIA® Centaur HBsAg Low Calibrator	Not available.
	ADVIA® Centaur HBsAg High Calibrator	Not available.

SECTION 11: Toxicological information

Sensitisation

Conclusion/Summary

Skin	: ADVIA® Centaur HBsAg NMLP Reagent	Not available.
	ADVIA® Centaur HBsAg Solid Phase Reagent	Not available.
	ADVIA® Centaur HBsAg Binary Lite Reagent	Not available.
	ADVIA® Centaur HBsAg Low Calibrator	Not available.
	ADVIA® Centaur HBsAg High Calibrator	Not available.
Respiratory	: ADVIA® Centaur HBsAg NMLP Reagent	Not available.
	ADVIA® Centaur HBsAg Solid Phase Reagent	Not available.
	ADVIA® Centaur HBsAg Binary Lite Reagent	Not available.
	ADVIA® Centaur HBsAg Low Calibrator	Not available.
	ADVIA® Centaur HBsAg High Calibrator	Not available.

Mutagenicity

Conclusion/Summary

: ADVIA® Centaur HBsAg NMLP Reagent	Not available.
ADVIA® Centaur HBsAg Solid Phase Reagent	Not available.
ADVIA® Centaur HBsAg Binary Lite Reagent	Not available.
ADVIA® Centaur HBsAg Low Calibrator	Not available.
ADVIA® Centaur HBsAg High Calibrator	Not available.

Carcinogenicity

Conclusion/Summary

: ADVIA® Centaur HBsAg NMLP Reagent	Not available.
ADVIA® Centaur HBsAg Solid Phase Reagent	Not available.
ADVIA® Centaur HBsAg Binary Lite Reagent	Not available.
ADVIA® Centaur HBsAg Low Calibrator	Not available.
ADVIA® Centaur HBsAg High Calibrator	Not available.

Reproductive toxicity

Conclusion/Summary

: ADVIA® Centaur HBsAg NMLP Reagent	Not available.
ADVIA® Centaur HBsAg Solid Phase Reagent	Not available.
ADVIA® Centaur HBsAg Binary Lite Reagent	Not available.
ADVIA® Centaur HBsAg Low Calibrator	Not available.
ADVIA® Centaur HBsAg High Calibrator	Not available.

Teratogenicity

Conclusion/Summary

: ADVIA® Centaur HBsAg NMLP Reagent	Not available.
ADVIA® Centaur HBsAg Solid Phase Reagent	Not available.
ADVIA® Centaur HBsAg Binary Lite Reagent	Not available.
ADVIA® Centaur HBsAg Low Calibrator	Not available.
ADVIA® Centaur HBsAg High Calibrator	Not available.

Specific target organ toxicity (single exposure)

Product/ingredient name	Category	Route of exposure	Target organs
ADVIA® Centaur HBsAg Low Calibrator 2-methyl-2H-isothiazol-3-one	Category 3	Not applicable.	Respiratory tract irritation

Specific target organ toxicity (repeated exposure)

Not available.

SECTION 11: Toxicological information

Aspiration hazard

Not available.

Information on the likely routes of exposure : Not available.

Potential acute health effects

Eye contact	: ADVIA® Centaur HBsAg NMLP Reagent	No known significant effects or critical hazards.
	ADVIA® Centaur HBsAg Solid Phase Reagent	No known significant effects or critical hazards.
	ADVIA® Centaur HBsAg Binary Lite Reagent	No known significant effects or critical hazards.
	ADVIA® Centaur HBsAg Low Calibrator	No known significant effects or critical hazards.
	ADVIA® Centaur HBsAg High Calibrator	No known significant effects or critical hazards.
Inhalation	: ADVIA® Centaur HBsAg NMLP Reagent	Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
	ADVIA® Centaur HBsAg Solid Phase Reagent	Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
	ADVIA® Centaur HBsAg Binary Lite Reagent	Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
	ADVIA® Centaur HBsAg Low Calibrator	No known significant effects or critical hazards.
	ADVIA® Centaur HBsAg High Calibrator	No known significant effects or critical hazards.
Skin contact	: ADVIA® Centaur HBsAg NMLP Reagent	No known significant effects or critical hazards.
	ADVIA® Centaur HBsAg Solid Phase Reagent	No known significant effects or critical hazards.
	ADVIA® Centaur HBsAg Binary Lite Reagent	No known significant effects or critical hazards.
	ADVIA® Centaur HBsAg Low Calibrator	No known significant effects or critical hazards.
	ADVIA® Centaur HBsAg High Calibrator	No known significant effects or critical hazards.
Ingestion	: ADVIA® Centaur HBsAg NMLP Reagent	No known significant effects or critical hazards.
	ADVIA® Centaur HBsAg Solid Phase Reagent	No known significant effects or critical hazards.
	ADVIA® Centaur HBsAg Binary Lite Reagent	No known significant effects or critical hazards.
	ADVIA® Centaur HBsAg Low Calibrator	No known significant effects or critical hazards.
	ADVIA® Centaur HBsAg High Calibrator	No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

SECTION 11: Toxicological information

Eye contact	:	ADVIA® Centaur HBsAg NMLP Reagent	No specific data.
		ADVIA® Centaur HBsAg Solid Phase Reagent	No specific data.
		ADVIA® Centaur HBsAg Binary Lite Reagent	No specific data.
		ADVIA® Centaur HBsAg Low Calibrator	No specific data.
		ADVIA® Centaur HBsAg High Calibrator	No specific data.
Inhalation	:	ADVIA® Centaur HBsAg NMLP Reagent	No specific data.
		ADVIA® Centaur HBsAg Solid Phase Reagent	No specific data.
		ADVIA® Centaur HBsAg Binary Lite Reagent	No specific data.
		ADVIA® Centaur HBsAg Low Calibrator	No specific data.
		ADVIA® Centaur HBsAg High Calibrator	No specific data.
Skin contact	:	ADVIA® Centaur HBsAg NMLP Reagent	No specific data.
		ADVIA® Centaur HBsAg Solid Phase Reagent	No specific data.
		ADVIA® Centaur HBsAg Binary Lite Reagent	No specific data.
		ADVIA® Centaur HBsAg Low Calibrator	No specific data.
		ADVIA® Centaur HBsAg High Calibrator	No specific data.
Ingestion	:	ADVIA® Centaur HBsAg NMLP Reagent	No specific data.
		ADVIA® Centaur HBsAg Solid Phase Reagent	No specific data.
		ADVIA® Centaur HBsAg Binary Lite Reagent	No specific data.
		ADVIA® Centaur HBsAg Low Calibrator	No specific data.
		ADVIA® Centaur HBsAg High Calibrator	No specific data.

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

Short term exposure

Potential immediate effects	:	ADVIA® Centaur HBsAg NMLP Reagent	Not available.
		ADVIA® Centaur HBsAg Solid Phase Reagent	Not available.
		ADVIA® Centaur HBsAg Binary Lite Reagent	Not available.
		ADVIA® Centaur HBsAg Low Calibrator	Not available.
		ADVIA® Centaur HBsAg High Calibrator	Not available.
Potential delayed effects	:	ADVIA® Centaur HBsAg NMLP Reagent	Not available.
		ADVIA® Centaur HBsAg Solid Phase Reagent	Not available.
		ADVIA® Centaur HBsAg Binary Lite Reagent	Not available.
		ADVIA® Centaur HBsAg Low Calibrator	Not available.
		ADVIA® Centaur HBsAg High Calibrator	Not available.

Long term exposure

Potential immediate effects	:	ADVIA® Centaur HBsAg NMLP Reagent	Not available.
		ADVIA® Centaur HBsAg Solid Phase Reagent	Not available.
		ADVIA® Centaur HBsAg Binary Lite Reagent	Not available.
		ADVIA® Centaur HBsAg Low Calibrator	Not available.
		ADVIA® Centaur HBsAg High Calibrator	Not available.

SECTION 11: Toxicological information

Potential delayed effects	: ADVIA® Centaur HBsAg NMLP Reagent	Not available.
	ADVIA® Centaur HBsAg Solid Phase Reagent	Not available.
	ADVIA® Centaur HBsAg Binary Lite Reagent	Not available.
	ADVIA® Centaur HBsAg Low Calibrator	Not available.
	ADVIA® Centaur HBsAg High Calibrator	Not available.

Potential chronic health effects

Not available.

Conclusion/Summary	: ADVIA® Centaur HBsAg NMLP Reagent	Not available.
	ADVIA® Centaur HBsAg Solid Phase Reagent	Not available.
	ADVIA® Centaur HBsAg Binary Lite Reagent	Not available.
	ADVIA® Centaur HBsAg Low Calibrator	Not available.
	ADVIA® Centaur HBsAg High Calibrator	Not available.

General	: ADVIA® Centaur HBsAg NMLP Reagent	No known significant effects or critical hazards.
	ADVIA® Centaur HBsAg Solid Phase Reagent	No known significant effects or critical hazards.
	ADVIA® Centaur HBsAg Binary Lite Reagent	No known significant effects or critical hazards.
	ADVIA® Centaur HBsAg Low Calibrator	No known significant effects or critical hazards.
	ADVIA® Centaur HBsAg High Calibrator	No known significant effects or critical hazards.

Carcinogenicity	: ADVIA® Centaur HBsAg NMLP Reagent	No known significant effects or critical hazards.
	ADVIA® Centaur HBsAg Solid Phase Reagent	No known significant effects or critical hazards.
	ADVIA® Centaur HBsAg Binary Lite Reagent	No known significant effects or critical hazards.
	ADVIA® Centaur HBsAg Low Calibrator	No known significant effects or critical hazards.
	ADVIA® Centaur HBsAg High Calibrator	No known significant effects or critical hazards.

Mutagenicity	: ADVIA® Centaur HBsAg NMLP Reagent	No known significant effects or critical hazards.
	ADVIA® Centaur HBsAg Solid Phase Reagent	No known significant effects or critical hazards.
	ADVIA® Centaur HBsAg Binary Lite Reagent	No known significant effects or critical hazards.
	ADVIA® Centaur HBsAg Low Calibrator	No known significant effects or critical hazards.
	ADVIA® Centaur HBsAg High Calibrator	No known significant effects or critical hazards.

Teratogenicity	: ADVIA® Centaur HBsAg NMLP Reagent	No known significant effects or critical hazards.
	ADVIA® Centaur HBsAg Solid Phase Reagent	No known significant effects or critical hazards.
	ADVIA® Centaur HBsAg Binary Lite Reagent	No known significant effects or critical hazards.
	ADVIA® Centaur HBsAg Low Calibrator	No known significant effects or critical hazards.
	ADVIA® Centaur HBsAg High Calibrator	No known significant effects or critical hazards.

SECTION 11: Toxicological information

Developmental effects	: ADVIA® Centaur HBsAg NMLP Reagent ADVIA® Centaur HBsAg Solid Phase Reagent ADVIA® Centaur HBsAg Binary Lite Reagent ADVIA® Centaur HBsAg Low Calibrator ADVIA® Centaur HBsAg High Calibrator	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
Fertility effects	: ADVIA® Centaur HBsAg NMLP Reagent ADVIA® Centaur HBsAg Solid Phase Reagent ADVIA® Centaur HBsAg Binary Lite Reagent ADVIA® Centaur HBsAg Low Calibrator ADVIA® Centaur HBsAg High Calibrator	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.

Interactive effects :

Other information : Not available.

SECTION 12: Ecological information

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
ADVIA® Centaur HBsAg Solid Phase Reagent Poly(oxy-1,2-ethanediyl), α-[4-(1,1,3,3-tetramethylbutyl)phenyl]-ω-hydroxy-	Acute LC50 5.85 mg/l Fresh water	Crustaceans - Ceriodaphnia rigaudi - Neonate	48 hours
	Acute LC50 11.2 mg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
	Acute LC50 6000 µg/l Fresh water	Fish - Pimephales promelas	96 hours
ADVIA® Centaur HBsAg Binary Lite Reagent Poly(oxy-1,2-ethanediyl), α-[4-(1,1,3,3-tetramethylbutyl)phenyl]-ω-hydroxy-	Acute LC50 5.85 mg/l Fresh water	Crustaceans - Ceriodaphnia rigaudi - Neonate	48 hours
	Acute LC50 11.2 mg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
	Acute LC50 6000 µg/l Fresh water	Fish - Pimephales promelas	96 hours
ADVIA® Centaur HBsAg Low Calibrator 2-methyl-2H-isothiazol-3-one	Acute EC50 0.18 ppm Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 0.07 ppm Fresh water	Fish - Oncorhynchus mykiss	96 hours

Conclusion/Summary : ADVIA® Centaur HBsAg NMLP Reagent Not available.
ADVIA® Centaur HBsAg Solid Phase Reagent Not available.
ADVIA® Centaur HBsAg Binary Lite Reagent Not available.
ADVIA® Centaur HBsAg Low Calibrator Not available.
ADVIA® Centaur HBsAg High Calibrator Not available.

SECTION 12: Ecological information

12.2 Persistence and degradability

Conclusion/Summary	: ADVIA® Centaur HBsAg NMLP Reagent	Not available.
	ADVIA® Centaur HBsAg Solid Phase Reagent	Not available.
	ADVIA® Centaur HBsAg Binary Lite Reagent	Not available.
	ADVIA® Centaur HBsAg Low Calibrator	Not available.
	ADVIA® Centaur HBsAg High Calibrator	Not available.

12.3 Bioaccumulative potential

Not available.

12.4 Mobility in soil

Soil/water partition coefficient (K_{oc})	: ADVIA® Centaur HBsAg NMLP Reagent	Not available.
	ADVIA® Centaur HBsAg Solid Phase Reagent	Not available.
	ADVIA® Centaur HBsAg Binary Lite Reagent	Not available.
	ADVIA® Centaur HBsAg Low Calibrator	Not available.
	ADVIA® Centaur HBsAg High Calibrator	Not available.
Mobility	: ADVIA® Centaur HBsAg NMLP Reagent	Not available.
	ADVIA® Centaur HBsAg Solid Phase Reagent	Not available.
	ADVIA® Centaur HBsAg Binary Lite Reagent	Not available.
	ADVIA® Centaur HBsAg Low Calibrator	Not available.
	ADVIA® Centaur HBsAg High Calibrator	Not available.

12.5 Results of PBT and vPvB assessment

PBT	: ADVIA® Centaur HBsAg NMLP Reagent	Not applicable.
	ADVIA® Centaur HBsAg Solid Phase Reagent	Not applicable.
	ADVIA® Centaur HBsAg Binary Lite Reagent	Not applicable.
	ADVIA® Centaur HBsAg Low Calibrator	Not applicable.
	ADVIA® Centaur HBsAg High Calibrator	Not applicable.
vPvB	: ADVIA® Centaur HBsAg NMLP Reagent	Not applicable.
	ADVIA® Centaur HBsAg Solid Phase Reagent	Not applicable.
	ADVIA® Centaur HBsAg Binary Lite Reagent	Not applicable.
	ADVIA® Centaur HBsAg Low Calibrator	Not applicable.
	ADVIA® Centaur HBsAg High Calibrator	Not applicable.

12.6 Other adverse effects

: ADVIA® Centaur HBsAg NMLP Reagent	No known significant effects or critical hazards.
ADVIA® Centaur HBsAg Solid Phase Reagent	No known significant effects or critical hazards.
ADVIA® Centaur HBsAg Binary Lite Reagent	No known significant effects or critical hazards.
ADVIA® Centaur HBsAg Low Calibrator	No known significant effects or critical hazards.
ADVIA® Centaur HBsAg High Calibrator	No known significant effects or critical hazards.

SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1 Waste treatment methods

Product

- Methods of disposal** : The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.
- Hazardous waste** : ADVIA® Centaur HBsAg NMLP Reagent Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 91/689/EEC.
- ADVIA® Centaur HBsAg Solid Phase Reagent Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 91/689/EEC.
- ADVIA® Centaur HBsAg Binary Lite Reagent Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 91/689/EEC.
- ADVIA® Centaur HBsAg Low Calibrator The classification of the product may meet the criteria for a hazardous waste.
- ADVIA® Centaur HBsAg High Calibrator Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 91/689/EEC.
- 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. 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 | ADVIA® Centaur HBsAg NMLP Reagent | Not regulated. |
| | ADVIA® Centaur HBsAg Solid Phase Reagent | Not regulated. |
| | ADVIA® Centaur HBsAg Binary Lite Reagent | Not regulated. |
| | ADVIA® Centaur HBsAg Low Calibrator | Not regulated. |
| | ADVIA® Centaur HBsAg High Calibrator | Not regulated. |
| 14.2 UN proper shipping name | ADVIA® Centaur HBsAg NMLP Reagent | - |
| | ADVIA® Centaur HBsAg Solid Phase Reagent | - |
| | ADVIA® Centaur HBsAg Binary Lite Reagent | - |
| | ADVIA® Centaur HBsAg Low Calibrator | - |
| | ADVIA® Centaur HBsAg High Calibrator | - |

SECTION 14: Transport information

14.3 Transport hazard class(es)	ADVIA® Centaur HBsAg NMLP Reagent	-
	ADVIA® Centaur HBsAg Solid Phase Reagent	-
	ADVIA® Centaur HBsAg Binary Lite Reagent	-
	ADVIA® Centaur HBsAg Low Calibrator	-
	ADVIA® Centaur HBsAg High Calibrator	-
14.4 Packing group	ADVIA® Centaur HBsAg NMLP Reagent	-
	ADVIA® Centaur HBsAg Solid Phase Reagent	-
	ADVIA® Centaur HBsAg Binary Lite Reagent	-
	ADVIA® Centaur HBsAg Low Calibrator	-
	ADVIA® Centaur HBsAg High Calibrator	-
14.5 Environmental hazards	ADVIA® Centaur HBsAg NMLP Reagent	No.
	ADVIA® Centaur HBsAg Solid Phase Reagent	No.
	ADVIA® Centaur HBsAg Binary Lite Reagent	No.
	ADVIA® Centaur HBsAg Low Calibrator	No.
	ADVIA® Centaur HBsAg High Calibrator	No.
Additional information	ADVIA® Centaur HBsAg NMLP Reagent	-
	ADVIA® Centaur HBsAg Solid Phase Reagent	-
	ADVIA® Centaur HBsAg Binary Lite Reagent	-
	ADVIA® Centaur HBsAg Low Calibrator	-
	ADVIA® Centaur HBsAg High Calibrator	-

ADN

14.1 UN number	ADVIA® Centaur HBsAg NMLP Reagent	Not regulated.
	ADVIA® Centaur HBsAg Solid Phase Reagent	Not regulated.
	ADVIA® Centaur HBsAg Binary Lite Reagent	Not regulated.
	ADVIA® Centaur HBsAg Low Calibrator	Not regulated.
	ADVIA® Centaur HBsAg High Calibrator	Not regulated.
14.2 UN proper shipping name	ADVIA® Centaur HBsAg NMLP Reagent	-
	ADVIA® Centaur HBsAg Solid Phase Reagent	-
	ADVIA® Centaur HBsAg Binary Lite Reagent	-
	ADVIA® Centaur HBsAg Low Calibrator	-
	ADVIA® Centaur HBsAg High Calibrator	-
14.3 Transport hazard class(es)	ADVIA® Centaur HBsAg NMLP Reagent	-
	ADVIA® Centaur HBsAg Solid Phase Reagent	-
	ADVIA® Centaur HBsAg Binary Lite Reagent	-
	ADVIA® Centaur HBsAg Low Calibrator	-
	ADVIA® Centaur HBsAg High Calibrator	-
14.4 Packing group	ADVIA® Centaur HBsAg NMLP Reagent	-
	ADVIA® Centaur HBsAg Solid Phase Reagent	-
	ADVIA® Centaur HBsAg Binary Lite Reagent	-
	ADVIA® Centaur HBsAg Low Calibrator	-
	ADVIA® Centaur HBsAg High Calibrator	-
14.5 Environmental hazards	ADVIA® Centaur HBsAg NMLP Reagent	No.
	ADVIA® Centaur HBsAg Solid Phase Reagent	No.
	ADVIA® Centaur HBsAg Binary Lite Reagent	No.
	ADVIA® Centaur HBsAg Low Calibrator	No.
	ADVIA® Centaur HBsAg High Calibrator	No.

SECTION 14: Transport information

Additional information	ADVIA® Centaur HBsAg NMLP Reagent	-
	ADVIA® Centaur HBsAg Solid Phase Reagent	-
	ADVIA® Centaur HBsAg Binary Lite Reagent	-
	ADVIA® Centaur HBsAg Low Calibrator	-
	ADVIA® Centaur HBsAg High Calibrator	-

IMDG

14.1 UN number	ADVIA® Centaur HBsAg NMLP Reagent	Not regulated.
	ADVIA® Centaur HBsAg Solid Phase Reagent	Not regulated.
	ADVIA® Centaur HBsAg Binary Lite Reagent	Not regulated.
	ADVIA® Centaur HBsAg Low Calibrator	Not regulated.
	ADVIA® Centaur HBsAg High Calibrator	Not regulated.

14.2 UN proper shipping name	ADVIA® Centaur HBsAg NMLP Reagent	-
	ADVIA® Centaur HBsAg Solid Phase Reagent	-
	ADVIA® Centaur HBsAg Binary Lite Reagent	-
	ADVIA® Centaur HBsAg Low Calibrator	-
	ADVIA® Centaur HBsAg High Calibrator	-

14.3 Transport hazard class(es)	ADVIA® Centaur HBsAg NMLP Reagent	-
	ADVIA® Centaur HBsAg Solid Phase Reagent	-
	ADVIA® Centaur HBsAg Binary Lite Reagent	-
	ADVIA® Centaur HBsAg Low Calibrator	-
	ADVIA® Centaur HBsAg High Calibrator	-

14.4 Packing group	ADVIA® Centaur HBsAg NMLP Reagent	-
	ADVIA® Centaur HBsAg Solid Phase Reagent	-
	ADVIA® Centaur HBsAg Binary Lite Reagent	-
	ADVIA® Centaur HBsAg Low Calibrator	-
	ADVIA® Centaur HBsAg High Calibrator	-

14.5 Environmental hazards	ADVIA® Centaur HBsAg NMLP Reagent	No.
	ADVIA® Centaur HBsAg Solid Phase Reagent	No.
	ADVIA® Centaur HBsAg Binary Lite Reagent	No.
	ADVIA® Centaur HBsAg Low Calibrator	No.
	ADVIA® Centaur HBsAg High Calibrator	No.

Additional information	ADVIA® Centaur HBsAg NMLP Reagent	-
	ADVIA® Centaur HBsAg Solid Phase Reagent	-
	ADVIA® Centaur HBsAg Binary Lite Reagent	-
	ADVIA® Centaur HBsAg Low Calibrator	-
	ADVIA® Centaur HBsAg High Calibrator	-

IATA

14.1 UN number	ADVIA® Centaur HBsAg NMLP Reagent	Not regulated.
	ADVIA® Centaur HBsAg Solid Phase Reagent	Not regulated.
	ADVIA® Centaur HBsAg Binary Lite Reagent	Not regulated.
	ADVIA® Centaur HBsAg Low Calibrator	Not regulated.
	ADVIA® Centaur HBsAg High Calibrator	Not regulated.

14.2 UN proper shipping name	ADVIA® Centaur HBsAg NMLP Reagent	-
	ADVIA® Centaur HBsAg Solid Phase Reagent	-
	ADVIA® Centaur HBsAg Binary Lite Reagent	-
	ADVIA® Centaur HBsAg Low Calibrator	-
	ADVIA® Centaur HBsAg High Calibrator	-

SECTION 14: Transport information

14.3 Transport hazard class(es) ADVIA® Centaur HBsAg NMLP Reagent -
 ADVIA® Centaur HBsAg Solid Phase Reagent -
 ADVIA® Centaur HBsAg Binary Lite Reagent -
 ADVIA® Centaur HBsAg Low Calibrator -
 ADVIA® Centaur HBsAg High Calibrator -

14.4 Packing group ADVIA® Centaur HBsAg NMLP Reagent -
 ADVIA® Centaur HBsAg Solid Phase Reagent -
 ADVIA® Centaur HBsAg Binary Lite Reagent -
 ADVIA® Centaur HBsAg Low Calibrator -
 ADVIA® Centaur HBsAg High Calibrator -

14.5 Environmental hazards ADVIA® Centaur HBsAg NMLP Reagent No.
 ADVIA® Centaur HBsAg Solid Phase Reagent No.
 ADVIA® Centaur HBsAg Binary Lite Reagent No.
 ADVIA® Centaur HBsAg Low Calibrator No.
 ADVIA® Centaur HBsAg High Calibrator No.

Additional information ADVIA® Centaur HBsAg NMLP Reagent -
 ADVIA® Centaur HBsAg Solid Phase Reagent -
 ADVIA® Centaur HBsAg Binary Lite Reagent -
 ADVIA® Centaur HBsAg Low Calibrator -
 ADVIA® Centaur HBsAg High Calibrator -

14.6 Special precautions for user : ADVIA® Centaur HBsAg NMLP Reagent

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.

ADVIA® Centaur HBsAg Solid Phase Reagent

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.

ADVIA® Centaur HBsAg Binary Lite Reagent

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.

ADVIA® Centaur HBsAg Low Calibrator

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.

ADVIA® Centaur HBsAg High Calibrator

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.

ADVIA® Centaur HBsAg, 200 Test

SECTION 14: Transport information

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code : Not available.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorisation

Annex XIV

None of the components are listed.

Substances of very high concern

Ingredient name	Intrinsic property	Status	Reference number	Date of revision
ADVIA® Centaur HBsAg Solid Phase Reagent 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated	Substance of equivalent concern	Candidate	ED/169/2012	12/12/2012
ADVIA® Centaur HBsAg Binary Lite Reagent 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated	Substance of equivalent concern	Candidate	ED/169/2012	12/12/2012

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles : ADVIA® Centaur HBsAg NMLP Reagent Not applicable.
 ADVIA® Centaur HBsAg Solid Phase Reagent Not applicable.
 ADVIA® Centaur HBsAg Binary Lite Reagent Not applicable.
 ADVIA® Centaur HBsAg Low Calibrator Not applicable.
 ADVIA® Centaur HBsAg High Calibrator Not applicable.

Other EU regulations

Europe inventory : Not determined.

Seveso II Directive

ADVIA® Centaur HBsAg NMLP Reagent	This product is not controlled under the Seveso II Directive.
ADVIA® Centaur HBsAg Solid Phase Reagent	This product is not controlled under the Seveso II Directive.
ADVIA® Centaur HBsAg Binary Lite Reagent	This product is not controlled under the Seveso II Directive.
ADVIA® Centaur HBsAg Low Calibrator	This product is not controlled under the Seveso II Directive.
ADVIA® Centaur HBsAg High Calibrator	This product is not controlled under the Seveso II Directive.

International regulations

Chemical Weapons Convention List Schedule I Chemicals : ADVIA® Centaur HBsAg NMLP Reagent Not listed
 ADVIA® Centaur HBsAg Solid Phase Reagent Not listed
 ADVIA® Centaur HBsAg Binary Lite Reagent Not listed
 ADVIA® Centaur HBsAg Low Calibrator Not listed
 ADVIA® Centaur HBsAg High Calibrator Not listed

SECTION 15: Regulatory information

Chemical Weapons Convention List Schedule II Chemicals	: ADVIA® Centaur HBsAg NMLP Reagent ADVIA® Centaur HBsAg Solid Phase Reagent ADVIA® Centaur HBsAg Binary Lite Reagent ADVIA® Centaur HBsAg Low Calibrator ADVIA® Centaur HBsAg High Calibrator	Not listed Not listed Not listed Not listed Not listed
Chemical Weapons Convention List Schedule III Chemicals	: ADVIA® Centaur HBsAg NMLP Reagent ADVIA® Centaur HBsAg Solid Phase Reagent ADVIA® Centaur HBsAg Binary Lite Reagent ADVIA® Centaur HBsAg Low Calibrator ADVIA® Centaur HBsAg High Calibrator	Not listed Not listed Not listed Not listed 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

ADVIA® Centaur HBsAg Low Calibrator Aquatic Chronic 3, H412	: ADVIA® Centaur HBsAg Solid Phase Reagent H302 H319 H411	Calculation method Harmful if swallowed. Causes serious eye irritation. Toxic to aquatic life with long lasting effects.
	ADVIA® Centaur HBsAg Binary Lite Reagent H302 H319 H411	Harmful if swallowed. Causes serious eye irritation. Toxic to aquatic life with long lasting effects.
	ADVIA® Centaur HBsAg Low Calibrator H301 H311 H314 H317 H335 H400 H410 H412	Toxic if swallowed. Toxic in contact with skin. Causes severe skin burns and eye damage. May cause an allergic skin reaction. May cause respiratory irritation. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects. Harmful to aquatic life with long lasting effects.

SECTION 16: Other information

Full text of classifications [CLP/GHS]	<p>: ADVIA® Centaur HBsAg Solid Phase Reagent Acute Tox. 4, H302 ACUTE TOXICITY: ORAL - Category 4 Aquatic Chronic 2, H411 LONG-TERM AQUATIC HAZARD - Category 2 Eye Irrit. 2, H319 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2</p> <p>ADVIA® Centaur HBsAg Binary Lite Reagent Acute Tox. 4, H302 ACUTE TOXICITY: ORAL - Category 4 Aquatic Chronic 2, H411 LONG-TERM AQUATIC HAZARD - Category 2 Eye Irrit. 2, H319 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2</p> <p>ADVIA® Centaur HBsAg Low Calibrator Acute Tox. 3, H301 ACUTE TOXICITY: ORAL - Category 3 Acute Tox. 3, H311 ACUTE TOXICITY: SKIN - Category 3 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 Skin Corr. 1B, H314 SKIN CORROSION/IRRITATION - Category 1B Skin Sens. 1, H317 SKIN SENSITIZATION - Category 1 STOT SE 3, H335 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) [Respiratory tract irritation] - Category 3</p>
Full text of abbreviated R phrases	: R36- Irritating to eyes.
Full text of classifications [DSD/DPD]	: Xi - Irritant
Date of printing	: 1/15/2016.
Date of issue/ Date of revision	: 1/15/2016.
Date of previous issue	: 6/9/2015.
Version	: 1.04

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.