(2012 OSHA Hazard Communication Standard (29 CFR 1910.1200))

SAFETY DATA SHEET

SIEMENS

IMMULITE® 2000 Anti-HBs Quantitative Kit Domestic

SDS # : L2KAB2

Section 1. Identification

Product identifier : IMMULITE® 2000 Anti-HBs Quantitative Kit Domestic

Product code : L2KAB2, 10483780

Product type : Liquid.

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

Not applicable.

Manufactured/supplied : Siemens Healthcare Diagnostics Inc.
511 Benedict Avenue
Tarrytown, NY 10591-5097 USA
1-877-229-3711

(800) 424-9300 (CHEMTREC) (24/365)

Section 2. Hazards identification

OSHA/HCS status :

Anti-HBs Bead Pack	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910. 1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
Anti-HBs Reagent Wedge A	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910. 1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
Anti-HBs Adjustors	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910. 1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
Anti-HBs Controls	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910. 1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
Anti-HBs Reagent Wedge B	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910. 1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees

Section 2. Hazards identification

and other users of this product.

Classification of the substance or mixture	:	Anti-HBs Bead Pack	Not classified.
		Anti-HBs Reagent Wedge A	Not classified.
		Anti-HBs Adjustors	Not classified.
		Anti-HBs Controls	Not classified.
		Anti-HBs Reagent Wedge B	Not classified.
Additional information	:	Potentially biohazardous material.	
		Sodium azide may react with lead or copper plumbing to form highly explosive metal azides.	

GHS label elements

Signal word	:	Anti-HBs Bead Pack	No signal word.
		Anti-HBs Reagent Wedge A	No signal word.
		Anti-HBs Adjustors	No signal word.
		Anti-HBs Controls	No signal word.
		Anti-HBs Reagent Wedge B	No signal word.
Hazard statements	:	Anti-HBs Bead Pack	No known significant effects or critical hazards.
		Anti-HBs Reagent Wedge A	No known significant effects or critical hazards.
		Anti-HBs Adjustors	No known significant effects or critical hazards.
		Anti-HBs Controls	No known significant effects or critical hazards.
		Anti-HBs Reagent Wedge B	No known significant effects or critical hazards.

Precautionary statements

Prevention	:	Anti-HBs Bead Pack	Not applicable.
		Anti-HBs Reagent Wedge A	Not applicable.
		Anti-HBs Adjustors	Not applicable.
		Anti-HBs Controls	Not applicable.
		Anti-HBs Reagent Wedge B	Not applicable.
Response	:	Anti-HBs Bead Pack	Not applicable.
		Anti-HBs Reagent Wedge A	Not applicable.
		Anti-HBs Adjustors	Not applicable.
		Anti-HBs Controls	Not applicable.
		Anti-HBs Reagent Wedge B	Not applicable.
Storage	:	Anti-HBs Bead Pack	Not applicable.
		Anti-HBs Reagent Wedge A	Not applicable.
		Anti-HBs Adjustors	Not applicable.
		Anti-HBs Controls	Not applicable.
		Anti-HBs Reagent Wedge B	Not applicable.
Disposal	:	Anti-HBs Bead Pack	Not applicable.
		Anti-HBs Reagent Wedge A	Not applicable.
		Anti-HBs Adjustors	Not applicable.
		Anti-HBs Controls	Not applicable.
		Anti-HBs Reagent Wedge B	Not applicable.
Supplemental label elements	:	Anti-HBs Bead Pack	None known.
		Anti-HBs Reagent Wedge A	None known.
		Anti-HBs Adjustors	None known.
		Anti-HBs Controls	None known.
		Anti-HBs Reagent Wedge B	None known.
Hazards not otherwise classified	:	Anti-HBs Bead Pack	None known.
		Anti-HBs Reagent Wedge A	None known.
		Anti-HBs Adjustors	None known.
		Anti-HBs Controls	None known.
		Anti-HBs Reagent Wedge B	None known.

Section 3. Composition/information on ingredients

Substance/mixture : Anti-HBs Bead Pack — Mixture
Anti-HBs Reagent Wedge A — Mixture
Anti-HBs Adjustors — Mixture
Anti-HBs Controls — Mixture
Anti-HBs Reagent Wedge B — Mixture

Ingredient name	%	CAS number
Anti-HBs Reagent Wedge A		
sodium azide	0.098	26628-22-8
Anti-HBs Adjustors		
sodium azide	0.098	26628-22-8
Gentamicin, sulfate (salt)	0.003	1405-41-0
Anti-HBs Controls		
sodium azide	0.098	26628-22-8
Gentamicin, sulfate (salt)	0.003	1405-41-0
Anti-HBs Reagent Wedge B		
aminocaproic acid	1.2	60-32-2
sodium azide	0.098	26628-22-8

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

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 and hence require reporting in this section.

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

Section 4. First aid measures

Description of necessary first aid measures

Eye contact : Anti-HBs Bead Pack — 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.

Anti-HBs Reagent Wedge A — 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.

Anti-HBs Adjustors — Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

Anti-HBs Controls — 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.

Anti-HBs Reagent Wedge B — 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.

Section 4. First aid measures

Inhalation	:	Anti-HBs Bead Pack	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
		Anti-HBs Reagent Wedge A	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
		Anti-HBs Adjustors	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
		Anti-HBs Controls	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
		Anti-HBs Reagent Wedge B	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	:	Anti-HBs Bead Pack	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
		Anti-HBs Reagent Wedge A	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
		Anti-HBs Adjustors	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
		Anti-HBs Controls	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
		Anti-HBs Reagent Wedge B	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Ingestion	:	Anti-HBs Bead Pack	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.
		Anti-HBs Reagent Wedge A	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.
		Anti-HBs Adjustors	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce

Section 4. First aid measures

		vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
	Anti-HBs Controls	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.
	Anti-HBs Reagent Wedge B	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.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact	:	Anti-HBs Bead Pack	No known significant effects or critical hazards.
		Anti-HBs Reagent Wedge A	No known significant effects or critical hazards.
		Anti-HBs Adjustors	No known significant effects or critical hazards.
		Anti-HBs Controls	No known significant effects or critical hazards.
		Anti-HBs Reagent Wedge B	No known significant effects or critical hazards.
Inhalation	:	Anti-HBs Bead Pack	No known significant effects or critical hazards.
		Anti-HBs Reagent Wedge A	No known significant effects or critical hazards.
		Anti-HBs Adjustors	No known significant effects or critical hazards.
		Anti-HBs Controls	No known significant effects or critical hazards.
		Anti-HBs Reagent Wedge B	No known significant effects or critical hazards.
Skin contact	:	Anti-HBs Bead Pack	No known significant effects or critical hazards.
		Anti-HBs Reagent Wedge A	No known significant effects or critical hazards.
		Anti-HBs Adjustors	No known significant effects or critical hazards.
		Anti-HBs Controls	No known significant effects or critical hazards.
		Anti-HBs Reagent Wedge B	No known significant effects or critical hazards.
Ingestion	:	Anti-HBs Bead Pack	No known significant effects or critical hazards.
		Anti-HBs Reagent Wedge A	No known significant effects or critical hazards.
		Anti-HBs Adjustors	No known significant effects or critical hazards.
		Anti-HBs Controls	No known significant effects or critical hazards.

Section 4. First aid measures

		Anti-HBs Reagent Wedge B	No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact	:	Anti-HBs Bead Pack	No specific data.
		Anti-HBs Reagent Wedge A	No specific data.
		Anti-HBs Adjustors	No specific data.
		Anti-HBs Controls	No specific data.
		Anti-HBs Reagent Wedge B	No specific data.
Inhalation	:	Anti-HBs Bead Pack	No specific data.
		Anti-HBs Reagent Wedge A	No specific data.
		Anti-HBs Adjustors	No specific data.
		Anti-HBs Controls	No specific data.
		Anti-HBs Reagent Wedge B	No specific data.
Skin contact	:	Anti-HBs Bead Pack	No specific data.
		Anti-HBs Reagent Wedge A	No specific data.
		Anti-HBs Adjustors	No specific data.
		Anti-HBs Controls	No specific data.
		Anti-HBs Reagent Wedge B	No specific data.
Ingestion	:	Anti-HBs Bead Pack	No specific data.
		Anti-HBs Reagent Wedge A	No specific data.
		Anti-HBs Adjustors	No specific data.
		Anti-HBs Controls	No specific data.
		Anti-HBs Reagent Wedge B	No specific data.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician	:	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	:	No specific treatment.
Protection of first-aiders	:	No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media	:	In case of fire, use water spray (fog), foam or dry chemical.
Unsuitable extinguishing media	:	None known.
Specific hazards arising from the chemical	:	In a fire or if heated, a pressure increase will occur and the container may burst.
Hazardous thermal decomposition products	:	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides sulfur oxides halogenated compounds metal oxide/oxides
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.

Section 6. Accidental release measures

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 spilled material. Put on appropriate personal protective equipment.

For emergency responders : If specialized 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".

Environmental precautions : Avoid dispersal of spilled 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).

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 (see Section 13). Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

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.

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 unlabeled containers. Use appropriate containment to avoid environmental contamination.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
Anti-HBs Reagent Wedge A sodium azide	**ACGIH TLV (United States, 3/2015). Notes: as hydrazoic acid vapor** C: 0.11 ppm, (as Hydrazoic acid vapor) Form: as Hydrazoic acid vapor **ACGIH TLV (United States, 3/2015).** C: 0.29 mg/m³, (as Sodium azide) Form: as Sodium azide **NIOSH REL (United States, 10/2013). Absorbed through skin. Notes: NAN3** CEIL: 0.3 mg/m³, (NAN3) **NIOSH REL (United States, 10/2013).**

Section 8. Exposure controls/personal protection

	Absorbed through skin. Notes: as HN3 CEIL: 0.1 ppm, (as HN3) **OSHA PEL 1989 (United States, 3/1989). Absorbed through skin. Notes: as HN3** CEIL: 0.1 ppm, (as HN3) **OSHA PEL 1989 (United States, 3/1989). Absorbed through skin. Notes: as NaN3** CEIL: 0.3 mg/m³, (as NaN3)
Anti-HBs Adjustors sodium azide	**ACGIH TLV (United States, 3/2015). Notes: as hydrazoic acid vapor** C: 0.11 ppm, (as Hydrazoic acid vapor) Form: as Hydrazoic acid vapor **ACGIH TLV (United States, 3/2015).** C: 0.29 mg/m³, (as Sodium azide) Form: as Sodium azide **NIOSH REL (United States, 10/2013). Absorbed through skin. Notes: NAN3** CEIL: 0.3 mg/m³, (NAN3) **NIOSH REL (United States, 10/2013). Absorbed through skin. Notes: as HN3** CEIL: 0.1 ppm, (as HN3) **OSHA PEL 1989 (United States, 3/1989). Absorbed through skin. Notes: as HN3** CEIL: 0.1 ppm, (as HN3) **OSHA PEL 1989 (United States, 3/1989). Absorbed through skin. Notes: as NaN3** CEIL: 0.3 mg/m³, (as NaN3)
Anti-HBs Controls sodium azide	**ACGIH TLV (United States, 3/2015). Notes: as hydrazoic acid vapor** C: 0.11 ppm, (as Hydrazoic acid vapor) Form: as Hydrazoic acid vapor **ACGIH TLV (United States, 3/2015).** C: 0.29 mg/m³, (as Sodium azide) Form: as Sodium azide **NIOSH REL (United States, 10/2013). Absorbed through skin. Notes: NAN3** CEIL: 0.3 mg/m³, (NAN3) **NIOSH REL (United States, 10/2013). Absorbed through skin. Notes: as HN3** CEIL: 0.1 ppm, (as HN3) **OSHA PEL 1989 (United States, 3/1989). Absorbed through skin. Notes: as HN3** CEIL: 0.1 ppm, (as HN3) **OSHA PEL 1989 (United States, 3/1989). Absorbed through skin. Notes: as NaN3** CEIL: 0.3 mg/m³, (as NaN3)
Anti-HBs Reagent Wedge B sodium azide	**ACGIH TLV (United States, 3/2015). Notes: as hydrazoic acid vapor** C: 0.11 ppm, (as Hydrazoic acid vapor) Form: as Hydrazoic acid vapor **ACGIH TLV (United States, 3/2015).** C: 0.29 mg/m³, (as Sodium azide) Form: as Sodium azide **NIOSH REL (United States, 10/2013). Absorbed through skin. Notes: NAN3** CEIL: 0.3 mg/m³, (NAN3)

Section 8. Exposure controls/personal protection

	NIOSH REL (United States, 10/2013). **Absorbed through skin. Notes: as HN3** CEIL: 0.1 ppm, (as HN3) **OSHA PEL 1989 (United States, 3/1989).** **Absorbed through skin. Notes: as HN3** CEIL: 0.1 ppm, (as HN3) **OSHA PEL 1989 (United States, 3/1989).** **Absorbed through skin. Notes: as NaN3** CEIL: 0.3 mg/m³, (as NaN3)

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

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.

Individual protection measures

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

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

Skin protection

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Body protection : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection : 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.

Section 9. Physical and chemical properties

Physical state :

Anti-HBs Bead Pack	Solid.
Anti-HBs Reagent Wedge A	Liquid.
Anti-HBs Adjustors	Liquid.
Anti-HBs Controls	Liquid.
Anti-HBs Reagent Wedge B	Liquid.

Color :

Anti-HBs Bead Pack	Not relevant/applicable due to nature of the product.
Anti-HBs Reagent Wedge A	Not relevant/applicable due to nature of the product.
Anti-HBs Adjustors	Colorless.
Anti-HBs Controls	Colorless.
Anti-HBs Reagent Wedge B	Not relevant/applicable due to nature of the product.

Section 9. Physical and chemical properties

Odor	:	Anti-HBs Bead Pack	Not relevant/applicable due to nature of the product.
		Anti-HBs Reagent Wedge A	Odorless.
		Anti-HBs Adjustors	Odorless.
		Anti-HBs Controls	Odorless.
		Anti-HBs Reagent Wedge B	Odorless.
pH	:	Anti-HBs Bead Pack	Not applicable.
		Anti-HBs Reagent Wedge A	7.35 to 7.45
		Anti-HBs Adjustors	7
		Anti-HBs Controls	7
		Anti-HBs Reagent Wedge B	7.95 to 8.05
Flash point	:	Anti-HBs Bead Pack	[Product does not sustain combustion.]
		Anti-HBs Reagent Wedge A	[Product does not sustain combustion.]
		Anti-HBs Adjustors	[Product does not sustain combustion.]
		Anti-HBs Controls	Not available.
		Anti-HBs Reagent Wedge B	[Product does not sustain combustion.]
Flammability (solid, gas)	:	Anti-HBs Bead Pack	Not relevant/applicable due to nature of the product.
		Anti-HBs Reagent Wedge A	Not relevant/applicable due to nature of the product.
		Anti-HBs Adjustors	Not relevant/applicable due to nature of the product.
		Anti-HBs Controls	Not relevant/applicable due to nature of the product.
		Anti-HBs Reagent Wedge B	Not relevant/applicable due to nature of the product.
Relative density	:	Anti-HBs Bead Pack	Not relevant/applicable due to nature of the product.
		Anti-HBs Reagent Wedge A	1
		Anti-HBs Adjustors	1
		Anti-HBs Controls	1
		Anti-HBs Reagent Wedge B	1
Solubility in water	:	Anti-HBs Bead Pack	Not relevant/applicable due to nature of the product.
		Anti-HBs Reagent Wedge A	Not relevant/applicable due to nature of the product.
		Anti-HBs Adjustors	Not relevant/applicable due to nature of the product.
		Anti-HBs Controls	Not relevant/applicable due to nature of the product.
		Anti-HBs Reagent Wedge B	Not relevant/applicable due to nature of the product.
Partition coefficient: n-octanol/water	:	Anti-HBs Bead Pack	Not available.
		Anti-HBs Reagent Wedge A	Not available.
		Anti-HBs Adjustors	Not available.
		Anti-HBs Controls	Not available.
		Anti-HBs Reagent Wedge B	Not available.
Auto-ignition temperature	:	Anti-HBs Bead Pack	Not available.
		Anti-HBs Reagent Wedge A	Not available.
		Anti-HBs Adjustors	Not available.
		Anti-HBs Controls	Not available.
		Anti-HBs Reagent Wedge B	Not available.
Viscosity	:	Anti-HBs Bead Pack	Not available.
		Anti-HBs Reagent Wedge A	Not available.
		Anti-HBs Adjustors	Not available.
		Anti-HBs Controls	Not available.
		Anti-HBs Reagent Wedge B	Not available.

Aerosol product

Section 9. Physical and chemical properties

Type of aerosol	:	Anti-HBs Bead Pack	Not applicable.
		Anti-HBs Reagent Wedge A	Not applicable.
		Anti-HBs Adjustors	Not applicable.
		Anti-HBs Controls	Not applicable.
		Anti-HBs Reagent Wedge B	Not applicable.

Section 10. Stability and reactivity

Reactivity	:	Anti-HBs Bead Pack	No specific test data related to reactivity available for this product or its ingredients.
		Anti-HBs Reagent Wedge A	No specific test data related to reactivity available for this product or its ingredients.
		Anti-HBs Adjustors	No specific test data related to reactivity available for this product or its ingredients.
		Anti-HBs Controls	No specific test data related to reactivity available for this product or its ingredients.
		Anti-HBs Reagent Wedge B	No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	:	Anti-HBs Bead Pack	The product is stable.
		Anti-HBs Reagent Wedge A	The product is stable.
		Anti-HBs Adjustors	The product is stable.
		Anti-HBs Controls	The product is stable.
		Anti-HBs Reagent Wedge B	The product is stable.

Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid : No specific data.

Incompatible materials : No specific data.

Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Anti-HBs Reagent Wedge A				
sodium azide	LD50 Dermal	Rabbit	20 mg/kg	-
	LD50 Dermal	Rat	50 mg/kg	-
	LD50 Oral	Rat	27 mg/kg	-
Anti-HBs Adjustors				
sodium azide	LD50 Dermal	Rabbit	20 mg/kg	-
	LD50 Dermal	Rat	50 mg/kg	-
	LD50 Oral	Rat	27 mg/kg	-
Gentamicin, sulfate (salt)	LD50 Oral	Rat	>5 g/kg	-
Anti-HBs Controls				
sodium azide	LD50 Dermal	Rabbit	20 mg/kg	-
	LD50 Dermal	Rat	50 mg/kg	-
	LD50 Oral	Rat	27 mg/kg	-
Gentamicin, sulfate (salt)	LD50 Oral	Rat	>5 g/kg	-
Anti-HBs Reagent Wedge B				
sodium azide	LD50 Dermal	Rabbit	20 mg/kg	-
	LD50 Dermal	Rat	50 mg/kg	-

Section 11. Toxicological information

	LD50 Oral	Rat	27 mg/kg	-

Conclusion/Summary :

Anti-HBs Bead Pack	Not available.
Anti-HBs Reagent Wedge A	Not available.
Anti-HBs Adjustors	Not available.
Anti-HBs Controls	Not available.
Anti-HBs Reagent Wedge B	Not available.

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Anti-HBs Reagent Wedge B aminocaproic acid	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-

Conclusion/Summary

Skin :

Anti-HBs Bead Pack	Not available.
Anti-HBs Reagent Wedge A	Not available.
Anti-HBs Adjustors	Not available.
Anti-HBs Controls	Not available.
Anti-HBs Reagent Wedge B	Not available.

Eyes :

Anti-HBs Bead Pack	Not available.
Anti-HBs Reagent Wedge A	Not available.
Anti-HBs Adjustors	Not available.
Anti-HBs Controls	Not available.
Anti-HBs Reagent Wedge B	Not available.

Respiratory :

Anti-HBs Bead Pack	Not available.
Anti-HBs Reagent Wedge A	Not available.
Anti-HBs Adjustors	Not available.
Anti-HBs Controls	Not available.
Anti-HBs Reagent Wedge B	Not available.

Sensitization

Not available.

Conclusion/Summary

Skin :

Anti-HBs Bead Pack	Not available.
Anti-HBs Reagent Wedge A	Not available.
Anti-HBs Adjustors	Not available.
Anti-HBs Controls	Not available.
Anti-HBs Reagent Wedge B	Not available.

Respiratory :

Anti-HBs Bead Pack	Not available.
Anti-HBs Reagent Wedge A	Not available.
Anti-HBs Adjustors	Not available.
Anti-HBs Controls	Not available.
Anti-HBs Reagent Wedge B	Not available.

Mutagenicity

Not available.

Conclusion/Summary :

Anti-HBs Bead Pack	Not available.
Anti-HBs Reagent Wedge A	Not available.
Anti-HBs Adjustors	Not available.
Anti-HBs Controls	Not available.
Anti-HBs Reagent Wedge B	Not available.

Carcinogenicity

Not available.

Conclusion/Summary :

Anti-HBs Bead Pack	Not available.
Anti-HBs Reagent Wedge A	Not available.
Anti-HBs Adjustors	Not available.
Anti-HBs Controls	Not available.
Anti-HBs Reagent Wedge B	Not available.

Reproductive toxicity

Not available.

Section 11. Toxicological information

Conclusion/Summary	:	Anti-HBs Bead Pack	Not available.
		Anti-HBs Reagent Wedge A	Not available.
		Anti-HBs Adjustors	Not available.
		Anti-HBs Controls	Not available.
		Anti-HBs Reagent Wedge B	Not available.

Teratogenicity

Not available.

Conclusion/Summary	:	Anti-HBs Bead Pack	Not available.
		Anti-HBs Reagent Wedge A	Not available.
		Anti-HBs Adjustors	Not available.
		Anti-HBs Controls	Not available.
		Anti-HBs Reagent Wedge B	Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on the likely routes of exposure	:	Anti-HBs Bead Pack	Not available.
		Anti-HBs Reagent Wedge A	Not available.
		Anti-HBs Adjustors	Not available.
		Anti-HBs Controls	Not available.
		Anti-HBs Reagent Wedge B	Not available.

Potential acute health effects

Eye contact	:	Anti-HBs Bead Pack	No known significant effects or critical hazards.
		Anti-HBs Reagent Wedge A	No known significant effects or critical hazards.
		Anti-HBs Adjustors	No known significant effects or critical hazards.
		Anti-HBs Controls	No known significant effects or critical hazards.
		Anti-HBs Reagent Wedge B	No known significant effects or critical hazards.
Inhalation	:	Anti-HBs Bead Pack	No known significant effects or critical hazards.
		Anti-HBs Reagent Wedge A	No known significant effects or critical hazards.
		Anti-HBs Adjustors	No known significant effects or critical hazards.
		Anti-HBs Controls	No known significant effects or critical hazards.
		Anti-HBs Reagent Wedge B	No known significant effects or critical hazards.
Skin contact	:	Anti-HBs Bead Pack	No known significant effects or critical hazards.
		Anti-HBs Reagent Wedge A	No known significant effects or critical hazards.
		Anti-HBs Adjustors	No known significant effects or critical hazards.
		Anti-HBs Controls	No known significant effects or critical hazards.
		Anti-HBs Reagent Wedge B	No known significant effects or critical hazards.

Section 11. Toxicological information

Ingestion	:	Anti-HBs Bead Pack	No known significant effects or critical hazards.
		Anti-HBs Reagent Wedge A	No known significant effects or critical hazards.
		Anti-HBs Adjustors	No known significant effects or critical hazards.
		Anti-HBs Controls	No known significant effects or critical hazards.
		Anti-HBs Reagent Wedge B	No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact	:	Anti-HBs Bead Pack	No specific data.
		Anti-HBs Reagent Wedge A	No specific data.
		Anti-HBs Adjustors	No specific data.
		Anti-HBs Controls	No specific data.
		Anti-HBs Reagent Wedge B	No specific data.
Inhalation	:	Anti-HBs Bead Pack	No specific data.
		Anti-HBs Reagent Wedge A	No specific data.
		Anti-HBs Adjustors	No specific data.
		Anti-HBs Controls	No specific data.
		Anti-HBs Reagent Wedge B	No specific data.
Skin contact	:	Anti-HBs Bead Pack	No specific data.
		Anti-HBs Reagent Wedge A	No specific data.
		Anti-HBs Adjustors	No specific data.
		Anti-HBs Controls	No specific data.
		Anti-HBs Reagent Wedge B	No specific data.
Ingestion	:	Anti-HBs Bead Pack	No specific data.
		Anti-HBs Reagent Wedge A	No specific data.
		Anti-HBs Adjustors	No specific data.
		Anti-HBs Controls	No specific data.
		Anti-HBs Reagent Wedge B	No specific data.

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

Short term exposure

Potential immediate effects	:	Anti-HBs Bead Pack	Not available.
		Anti-HBs Reagent Wedge A	Not available.
		Anti-HBs Adjustors	Not available.
		Anti-HBs Controls	Not available.
		Anti-HBs Reagent Wedge B	Not available.
Potential delayed effects	:	Anti-HBs Bead Pack	Not available.
		Anti-HBs Reagent Wedge A	Not available.
		Anti-HBs Adjustors	Not available.
		Anti-HBs Controls	Not available.
		Anti-HBs Reagent Wedge B	Not available.

Long term exposure

Potential immediate effects	:	Anti-HBs Bead Pack	Not available.
		Anti-HBs Reagent Wedge A	Not available.
		Anti-HBs Adjustors	Not available.
		Anti-HBs Controls	Not available.
		Anti-HBs Reagent Wedge B	Not available.
Potential delayed effects	:	Anti-HBs Bead Pack	Not available.
		Anti-HBs Reagent Wedge A	Not available.
		Anti-HBs Adjustors	Not available.
		Anti-HBs Controls	Not available.
		Anti-HBs Reagent Wedge B	Not available.

Potential chronic health effects

Not available.

Section 11. Toxicological information

Conclusion/Summary	:	Not available.	Anti-HBs Bead Pack
		Not available.	Anti-HBs Reagent Wedge A
		Not available.	Anti-HBs Adjustors
		Not available.	Anti-HBs Controls
		Not available.	Anti-HBs Reagent Wedge B
General	:	No known significant effects or critical hazards.	
Carcinogenicity	:	No known significant effects or critical hazards.	
Mutagenicity	:	No known significant effects or critical hazards.	
Teratogenicity	:	No known significant effects or critical hazards.	
Developmental effects	:	No known significant effects or critical hazards.	
Fertility effects	:	No known significant effects or critical hazards.	

Numerical measures of toxicity

Acute toxicity estimates

Route	ATE value
Anti-HBs Reagent Wedge B	
Oral	85714.3 mg/kg

Interactive effects	:	Anti-HBs Bead Pack	Not available.
		Anti-HBs Reagent Wedge A	Not available.
		Anti-HBs Adjustors	Not available.
		Anti-HBs Controls	Not available.
		Anti-HBs Reagent Wedge B	Not available.
Other information	:	Anti-HBs Bead Pack	Not available.
		Anti-HBs Reagent Wedge A	Not available.
		Anti-HBs Adjustors	Not available.
		Anti-HBs Controls	Not available.
		Anti-HBs Reagent Wedge B	Not available.

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
Anti-HBs Reagent Wedge A			
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
Anti-HBs Adjustors			
sodium azide	Acute EC50 0.348 mg/l Fresh water	Algae - Pseudokirchneriella subcapitata	96 hours
	Acute EC50 4.2 to 6.2 mg/l Fresh water	Daphnia - Daphnia pulex - Larvae	48 hours
	Acute LC50 9000 µg/l Fresh water	Crustaceans - Gammarus 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
Gentamicin, sulfate (salt)	Acute EC50 21.2 ppm Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 >955 ppm Fresh water	Fish - Oncorhynchus mykiss	96 hours
Anti-HBs 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

Section 12. Ecological information

	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
Gentamicin, sulfate (salt)	Acute EC50 21.2 ppm Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 >955 ppm Fresh water	Fish - Oncorhynchus mykiss	96 hours
Anti-HBs Reagent Wedge B			
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

Conclusion/Summary :

Anti-HBs Bead Pack	Not available.
Anti-HBs Reagent Wedge A	Not available.
Anti-HBs Adjustors	Not available.
Anti-HBs Controls	Not available.
Anti-HBs Reagent Wedge B	Not available.

Persistence and degradability

Conclusion/Summary :

Anti-HBs Bead Pack	Not available.
Anti-HBs Reagent Wedge A	Not available.
Anti-HBs Adjustors	Not available.
Anti-HBs Controls	Not available.
Anti-HBs Reagent Wedge B	Not available.

Bioaccumulative potential

Product/ingredient name	$LogP_{ow}$	BCF	Potential
Anti-HBs Reagent Wedge B aminocaproic acid	-2.95	-	low

Mobility in soil

Soil/water partition coefficient (K_{OC}) :

Anti-HBs Bead Pack	Not available.
Anti-HBs Reagent Wedge A	Not available.
Anti-HBs Adjustors	Not available.
Anti-HBs Controls	Not available.
Anti-HBs Reagent Wedge B	Not available.

Mobility :

Anti-HBs Bead Pack	Not available.
Anti-HBs Reagent Wedge A	Not available.
Anti-HBs Adjustors	Not available.
Anti-HBs Controls	Not available.
Anti-HBs Reagent Wedge B	Not available.

Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimized 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. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. 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 spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 13. Disposal considerations

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

Section 14. Transport information

DOT Classification

UN number	Anti-HBs Bead Pack	Not regulated.
	Anti-HBs Reagent Wedge A	Not regulated.
	Anti-HBs Adjustors	Not regulated.
	Anti-HBs Controls	Not regulated.
	Anti-HBs Reagent Wedge B	Not regulated.
UN proper shipping name	Anti-HBs Bead Pack	-
	Anti-HBs Reagent Wedge A	-
	Anti-HBs Adjustors	-
	Anti-HBs Controls	-
	Anti-HBs Reagent Wedge B	-
Transport hazard class(es)	Anti-HBs Bead Pack	-
	Anti-HBs Reagent Wedge A	-
	Anti-HBs Adjustors	-
	Anti-HBs Controls	-
	Anti-HBs Reagent Wedge B	-
Packing group	Anti-HBs Bead Pack	-
	Anti-HBs Reagent Wedge A	-
	Anti-HBs Adjustors	-
	Anti-HBs Controls	-
	Anti-HBs Reagent Wedge B	-
Environmental hazards	Anti-HBs Bead Pack	No.
	Anti-HBs Reagent Wedge A	No.
	Anti-HBs Adjustors	No.
	Anti-HBs Controls	No.
	Anti-HBs Reagent Wedge B	No.
Additional information	Anti-HBs Bead Pack	-
	Anti-HBs Reagent Wedge A	-
	Anti-HBs Adjustors	-
	Anti-HBs Controls	-
	Anti-HBs Reagent Wedge B	-

TDG Classification

UN number	Anti-HBs Bead Pack	Not regulated.
	Anti-HBs Reagent Wedge A	Not regulated.
	Anti-HBs Adjustors	Not regulated.
	Anti-HBs Controls	Not regulated.
	Anti-HBs Reagent Wedge B	Not regulated.
UN proper shipping name	Anti-HBs Bead Pack	-
	Anti-HBs Reagent Wedge A	-
	Anti-HBs Adjustors	-
	Anti-HBs Controls	-
	Anti-HBs Reagent Wedge B	-
Transport hazard class(es)	Anti-HBs Bead Pack	-
	Anti-HBs Reagent Wedge A	-
	Anti-HBs Adjustors	-
	Anti-HBs Controls	-
	Anti-HBs Reagent Wedge B	-

Section 14. Transport information

Packing group	Anti-HBs Bead Pack	-
	Anti-HBs Reagent Wedge A	-
	Anti-HBs Adjustors	-
	Anti-HBs Controls	-
	Anti-HBs Reagent Wedge B	-
Environmental hazards	Anti-HBs Bead Pack	No.
	Anti-HBs Reagent Wedge A	No.
	Anti-HBs Adjustors	No.
	Anti-HBs Controls	No.
	Anti-HBs Reagent Wedge B	No.
Additional information	Anti-HBs Bead Pack	-
	Anti-HBs Reagent Wedge A	-
	Anti-HBs Adjustors	-
	Anti-HBs Controls	-
	Anti-HBs Reagent Wedge B	-

ADR/RID

UN number	Anti-HBs Bead Pack	Not regulated.
	Anti-HBs Reagent Wedge A	Not regulated.
	Anti-HBs Adjustors	Not regulated.
	Anti-HBs Controls	Not regulated.
	Anti-HBs Reagent Wedge B	Not regulated.
UN proper shipping name	Anti-HBs Bead Pack	-
	Anti-HBs Reagent Wedge A	-
	Anti-HBs Adjustors	-
	Anti-HBs Controls	-
	Anti-HBs Reagent Wedge B	-
Transport hazard class(es)	Anti-HBs Bead Pack	-
	Anti-HBs Reagent Wedge A	-
	Anti-HBs Adjustors	-
	Anti-HBs Controls	-
	Anti-HBs Reagent Wedge B	-
Packing group	Anti-HBs Bead Pack	-
	Anti-HBs Reagent Wedge A	-
	Anti-HBs Adjustors	-
	Anti-HBs Controls	-
	Anti-HBs Reagent Wedge B	-
Environmental hazards	Anti-HBs Bead Pack	No.
	Anti-HBs Reagent Wedge A	No.
	Anti-HBs Adjustors	No.
	Anti-HBs Controls	No.
	Anti-HBs Reagent Wedge B	No.
Additional information	Anti-HBs Bead Pack	-
	Anti-HBs Reagent Wedge A	-
	Anti-HBs Adjustors	-
	Anti-HBs Controls	-
	Anti-HBs Reagent Wedge B	-

IMDG

UN number	Anti-HBs Bead Pack	Not regulated.
	Anti-HBs Reagent Wedge A	Not regulated.
	Anti-HBs Adjustors	Not regulated.
	Anti-HBs Controls	Not regulated.
	Anti-HBs Reagent Wedge B	Not regulated.

Section 14. Transport information

UN proper shipping name	Anti-HBs Bead Pack	-
	Anti-HBs Reagent Wedge A	-
	Anti-HBs Adjustors	-
	Anti-HBs Controls	-
	Anti-HBs Reagent Wedge B	-
Transport hazard class(es)	Anti-HBs Bead Pack	-
	Anti-HBs Reagent Wedge A	-
	Anti-HBs Adjustors	-
	Anti-HBs Controls	-
	Anti-HBs Reagent Wedge B	-
Packing group	Anti-HBs Bead Pack	-
	Anti-HBs Reagent Wedge A	-
	Anti-HBs Adjustors	-
	Anti-HBs Controls	-
	Anti-HBs Reagent Wedge B	-
Environmental hazards	Anti-HBs Bead Pack	No.
	Anti-HBs Reagent Wedge A	No.
	Anti-HBs Adjustors	No.
	Anti-HBs Controls	No.
	Anti-HBs Reagent Wedge B	No.
Additional information	Anti-HBs Bead Pack	-
	Anti-HBs Reagent Wedge A	-
	Anti-HBs Adjustors	-
	Anti-HBs Controls	-
	Anti-HBs Reagent Wedge B	-

IATA

UN number	Anti-HBs Bead Pack	Not regulated.
	Anti-HBs Reagent Wedge A	Not regulated.
	Anti-HBs Adjustors	Not regulated.
	Anti-HBs Controls	Not regulated.
	Anti-HBs Reagent Wedge B	Not regulated.
UN proper shipping name	Anti-HBs Bead Pack	-
	Anti-HBs Reagent Wedge A	-
	Anti-HBs Adjustors	-
	Anti-HBs Controls	-
	Anti-HBs Reagent Wedge B	-
Transport hazard class(es)	Anti-HBs Bead Pack	-
	Anti-HBs Reagent Wedge A	-
	Anti-HBs Adjustors	-
	Anti-HBs Controls	-
	Anti-HBs Reagent Wedge B	-
Packing group	Anti-HBs Bead Pack	-
	Anti-HBs Reagent Wedge A	-
	Anti-HBs Adjustors	-
	Anti-HBs Controls	-
	Anti-HBs Reagent Wedge B	-
Environmental hazards	Anti-HBs Bead Pack	No.
	Anti-HBs Reagent Wedge A	No.
	Anti-HBs Adjustors	No.
	Anti-HBs Controls	No.
	Anti-HBs Reagent Wedge B	No.

Section 14. Transport information

Additional information	Anti-HBs Bead Pack	-
	Anti-HBs Reagent Wedge A	-
	Anti-HBs Adjustors	-
	Anti-HBs Controls	-
	Anti-HBs Reagent Wedge B	-

Special precautions for user :	Anti-HBs Bead Pack	**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.
	Anti-HBs Reagent Wedge A	**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.
	Anti-HBs Adjustors	**Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.
	Anti-HBs 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.
	Anti-HBs Reagent Wedge B	**Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to Annex II of MARPOL and the IBC Code

Proper shipping name :	
Ship type :	
Pollution category :	

Section 15. Regulatory information

U.S. Federal regulations : **TSCA 8(a) CDR Exempt/Partial exemption**: Not determined

United States inventory (TSCA 8b): Not determined.

Clean Water Act (CWA) 307: zinc chloride

Clean Water Act (CWA) 311: zinc chloride; disodium hydrogenorthophosphate

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs) :	Not listed
Clean Air Act Section 602 Class I Substances :	Not listed
Clean Air Act Section 602 Class II Substances :	Not listed
DEA List I Chemicals (Precursor Chemicals) :	Not listed
DEA List II Chemicals (Essential Chemicals) :	Not listed

Section 15. Regulatory information

SARA 302/304

Composition/information on ingredients

Name	%	EHS	SARA 302 TPQ (lbs)	SARA 302 TPQ (gallons)	SARA 304 RQ (lbs)	SARA 304 RQ (gallons)
Anti-HBs Reagent Wedge A sodium azide	0.098	Yes.	500	-	1000	-
Anti-HBs Adjustors sodium azide	0.098	Yes.	500	-	1000	-
Anti-HBs Controls sodium azide	0.098	Yes.	500	-	1000	-
Anti-HBs Reagent Wedge B sodium azide	0.098	Yes.	500	-	1000	-

SARA 304 RQ : 1046572.5 lbs / 475143.9 kg

SARA 311/312

Classification : Not applicable.

Composition/information on ingredients

Name	%	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
Anti-HBs Reagent Wedge A sodium azide	0.098	No.	No.	No.	Yes.	No.
Anti-HBs Adjustors sodium azide	0.098	No.	No.	No.	Yes.	No.
Anti-HBs Controls sodium azide	0.098	No.	No.	No.	Yes.	No.
Anti-HBs Reagent Wedge B aminocaproic acid sodium azide	1.2 0.098	No. No.	No. No.	No. No.	Yes. Yes.	No. No.

State regulations

Massachusetts : None of the components are listed.

New York : None of the components are listed.

New Jersey : None of the components are listed.

Pennsylvania : None of the components are listed.

California Prop. 65

WARNING: This product contains less than 1% of a chemical known to the State of California to cause birth defects or other reproductive harm.

Ingredient name	Cancer	Reproductive	No significant risk level	Maximum acceptable dosage level
Anti-HBs Adjustors gentamicin, sulfate (salt)	No.	Yes.	No.	No.
Anti-HBs Controls gentamicin, sulfate (salt)	No.	Yes.	No.	No.

International regulations

Section 15. Regulatory information

Chemical Weapons Convention List Schedule I Chemicals	:	Anti-HBs Bead Pack	Not listed
		Anti-HBs Reagent Wedge A	Not listed
		Anti-HBs Adjustors	Not listed
		Anti-HBs Controls	Not listed
		Anti-HBs Reagent Wedge B	Not listed
Chemical Weapons Convention List Schedule II Chemicals	:	Anti-HBs Bead Pack	Not listed
		Anti-HBs Reagent Wedge A	Not listed
		Anti-HBs Adjustors	Not listed
		Anti-HBs Controls	Not listed
		Anti-HBs Reagent Wedge B	Not listed
Chemical Weapons Convention List Schedule III Chemicals	:	Anti-HBs Bead Pack	Not listed
		Anti-HBs Reagent Wedge A	Not listed
		Anti-HBs Adjustors	Not listed
		Anti-HBs Controls	Not listed
		Anti-HBs Reagent Wedge B	Not listed

Section 16. Other information

History

Date of issue/Date of revision : 5/12/2017

Version : 0.03

Key to abbreviations : ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
UN = United Nations

Indicates information that has changed from previously issued version.

Notice to reader

Allergen :