

SAFETY DATA SHEET

SIEMENS

IMMULITE® 2000 Albumin

MSDS no. : L2KHA2_6

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

1.1 Product identifier

Product name	: IMMULITE® 2000 Albumin	
Product code	: L2KHA2, 10381453	
Product description	: Not available.	
Product type	: Liquid.	
Other means of identification	: Albumin Reagent Wedge Albumin Adjustors	L2HAA2 LHAL, LHAH

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 2: Hazards identification**2.1 Classification of the substance or mixture**

Product definition	: Albumin Reagent Wedge Albumin Adjustors	Mixture Mixture
<u>Classification according to Directive 1999/45/EC [DPD]</u>	Albumin Reagent Wedge Albumin Adjustors	The product is not classified as dangerous according to Directive 1999/45/EC and its amendments. The product is classified as dangerous according to Directive 1999/45/EC and its amendments.
Classification	: Albumin Reagent Wedge Albumin Adjustors	Not classified. T; R25 R52/53
Physical/chemical hazards	: Albumin Reagent Wedge Albumin Adjustors	Not applicable. Not applicable.
Human health hazards	: Albumin Reagent Wedge Albumin Adjustors	Not applicable. Toxic if swallowed.
Environmental hazards	: Albumin Reagent Wedge Albumin Adjustors	Not applicable. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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

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

2.2 Label elements**Precautionary statements**

Hazard symbol or symbols :



Indication of danger	: Toxic	
Risk phrases	: Albumin Reagent Wedge Albumin Adjustors	This product is not classified as dangerous according to EU legislation. R25- Toxic if swallowed. R52/53- Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Safety phrases	: Albumin Reagent Wedge Albumin Adjustors	Not applicable. S28- After contact with skin, wash immediately with plenty of water. S45- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
Hazardous ingredients	: Albumin Adjustors Sodium azide	
Supplemental label elements	: Not applicable.	
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	: Albumin Reagent Wedge Albumin Adjustors	Not applicable. Not applicable.

2.3 Other hazards

SECTION 2: Hazards identification

Other hazards which do not result in classification : None known.

Potentially biohazardous material.

SECTION 3: Composition/information on ingredients

Substance/mixture : Albumin Reagent Wedge Mixture
Albumin Adjustors Mixture

Product/ingredient name	Identifiers	%	Classification		Type
			67/548/EEC	Regulation (EC) No. 1272/2008 [CLP]	
Albumin Adjustors sodium azide	EC: 247-852-1 CAS: 26628-22-8 Index: 011-004-00-7	>=1, <2.5	T+; R28 R32 N; R50/53 See Section 16 for the full text of the R-phrases declared above.	Acute Tox. 2, H300 Acute Tox. 1, H310 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 See Section 16 for the full text of the H statements declared above.	[1] [2]

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 : Albumin Reagent Wedge

Albumin Adjustors

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

Inhalation : Albumin Reagent Wedge

Albumin Adjustors

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. Get medical attention immediately. 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

SECTION 4: First aid measures

trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

Skin contact : Albumin Reagent Wedge

Albumin Adjustors

Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

Get medical attention immediately. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Ingestion : Albumin Reagent Wedge

Albumin Adjustors

Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

Get medical attention immediately. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

4.2 Most important symptoms and effects, both acute and delayed**Potential acute health effects**

Eye contact : Albumin Reagent Wedge

Albumin Adjustors

No known significant effects or critical hazards.

No known significant effects or critical hazards.

SECTION 4: First aid measures

Inhalation	: Albumin Reagent Wedge Albumin Adjustors	Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure. Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
Skin contact	: Albumin Reagent Wedge Albumin Adjustors	No known significant effects or critical hazards. No known significant effects or critical hazards.
Ingestion	: Albumin Reagent Wedge Albumin Adjustors	No known significant effects or critical hazards. Toxic if swallowed.
<u>Over-exposure signs/symptoms</u>		
Eye contact	: Albumin Reagent Wedge Albumin Adjustors	No specific data. No specific data.
Inhalation	: Albumin Reagent Wedge Albumin Adjustors	No specific data. No specific data.
Skin contact	: Albumin Reagent Wedge Albumin Adjustors	No specific data. No specific data.
Ingestion	: Albumin Reagent Wedge Albumin Adjustors	No specific data. No specific data.

4.3 Indication of any immediate medical attention and special treatment needed

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.

SECTION 5: Firefighting measures**5.1 Extinguishing media**

Suitable extinguishing media	: Use dry chemical, CO ₂ , water spray (fog) or foam.
Unsuitable extinguishing media	: None known.

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture	: In a fire or if heated, a pressure increase will occur and the container may burst.
Hazardous thermal decomposition products	: Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides sulfur oxides halogenated compounds metal oxide/oxides

5.3 Advice for firefighters

Special protective actions for fire-fighters	: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. This material is harmful to aquatic organisms. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
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SECTION 5: Firefighting measures

- 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. Do not breathe vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
- For emergency responders** : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also Section 8 for additional information on hygiene measures.

6.2 Environmental precautions

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

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. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product.

6.4 Reference to other sections

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

SECTION 7: Handling and storage

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). Do not get in eyes or on skin or clothing. Do not breathe vapour or mist. Do not ingest. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities

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

SECTION 7: Handling and storage**Seveso II Directive - Reporting thresholds (in tonnes)****Danger criteria**

Category	Notification and MAPP threshold	Safety report threshold
Albumin Adjustors C2: Toxic	50	200

7.3 Specific end use(s)**Recommendations** : Not available.**Industrial sector specific solutions** : Not available.**SECTION 8: Exposure controls/personal protection**

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

8.1 Control parameters**Occupational exposure limits**

Product/ingredient name	Exposure limit values
Albumin Adjustors sodium azide	EH40/2005 WELs (United Kingdom (UK), 12/2011). Absorbed through skin. Notes: as NaN₃ STEL: 0.3 mg/m ³ , (as NaN ₃) 15 minutes. TWA: 0.1 mg/m ³ , (as NaN ₃) 8 hours.

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

DNELs/DMELs

No DNELs/DMELs available.

PNECs

No PNECs available

8.2 Exposure controls**Appropriate engineering controls** : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.**Individual protection measures****Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

SECTION 8: Exposure controls/personal protection

- 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 or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
- Skin protection**
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
- 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	: Albumin Reagent Wedge Albumin Adjustors	Liquid. Solid.
Colour	: Albumin Reagent Wedge Albumin Adjustors	Colourless. Amber.
Odour	: Albumin Reagent Wedge Albumin Adjustors	Odorless. Odorless.
pH	: Albumin Reagent Wedge Albumin Adjustors	7.95 to 8.05 Not applicable.
Melting point/freezing point	: Albumin Reagent Wedge Albumin Adjustors	Not available. Not available.
Initial boiling point and boiling range	: Albumin Reagent Wedge Albumin Adjustors	Not available. Not available.
Flash point	: Albumin Reagent Wedge Albumin Adjustors	Not available. [Product does not sustain combustion.]
Evaporation rate	: Albumin Reagent Wedge Albumin Adjustors	Not available. Not available.
Flammability (solid, gas)	: Albumin Reagent Wedge Albumin Adjustors	Not available. Not available.
Burning time	: Albumin Reagent Wedge Albumin Adjustors	Not applicable. Not available.
Burning rate	: Albumin Reagent Wedge Albumin Adjustors	Not applicable. Not available.
Upper/lower flammability or explosive limits	: Albumin Reagent Wedge Albumin Adjustors	Not available. Not available.
Vapour pressure	: Albumin Reagent Wedge Albumin Adjustors	Not available. Not available.

SECTION 9: Physical and chemical properties

Solubility in water	: Albumin Reagent Wedge Albumin Adjustors	Not available. Not available.
Partition coefficient: n-octanol/ water	: Albumin Reagent Wedge Albumin Adjustors	Not available. Not available.
Auto-ignition temperature	: Albumin Reagent Wedge Albumin Adjustors	Not available. Not available.
Decomposition temperature	: Albumin Reagent Wedge Albumin Adjustors	Not available. Not available.
Viscosity	: Albumin Reagent Wedge Albumin Adjustors	Not available. Not available.
Explosive properties	: Albumin Reagent Wedge Albumin Adjustors	Not available. Explosive in the presence of the following materials or conditions: metals, acids and moisture.
Oxidising properties	: Albumin Reagent Wedge Albumin Adjustors	Not available. Not available.

9.2 Other information

SADT	: Not available.
<u>Aerosol product</u>	
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	: No specific test data related to reactivity available for this product or its ingredients.
10.2 Chemical stability	: The product is stable.
10.3 Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Conditions to avoid	: No specific data.
10.5 Incompatible materials	: No specific data.
10.6 Hazardous decomposition products	: 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**

SECTION 11: Toxicological information

Product/ingredient name	Result	Species	Dose	Exposure
Albumin Adjustors sodium azide	LD50 Dermal	Rabbit	20 mg/kg	-
	LD50 Dermal	Rat	50 mg/kg	-
	LD50 Oral	Rat	27 mg/kg	-

Conclusion/Summary : Not available.

Acute toxicity estimates

Route	ATE value
Albumin Adjustors	
Oral	1413.6 mg/kg
Dermal	1047.1 mg/kg

Irritation/Corrosion

Conclusion/Summary : Not available.

Sensitisation

Conclusion/Summary : Not available.

Mutagenicity

Conclusion/Summary : Not available.

Carcinogenicity

Conclusion/Summary : Not available.

Reproductive toxicity

Conclusion/Summary : Not available.

Teratogenicity

Conclusion/Summary : Not available.

Information on the likely routes of exposure : Not available.

Potential acute health effects

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

Symptoms related to the physical, chemical and toxicological characteristics

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

SECTION 11: Toxicological information

Ingestion	: Albumin Reagent Wedge Albumin Adjustors	No specific data. No specific data.
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Delayed and immediate effects and also chronic effects from short and long term exposure**Short term exposure**

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

Long term exposure

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

Potential chronic health effects

Not available.

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

Other information : Not available.**SECTION 12: Ecological information****12.1 Toxicity**

Product/ingredient name	Result	Species	Exposure
Albumin 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 - Macrocyctis pyrifera	96 hours

Conclusion/Summary : Not available.

SECTION 12: Ecological information

12.2 Persistence and degradability

Conclusion/Summary : Not available.

12.3 Bioaccumulative potential

Not available.

12.4 Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not available.

Mobility : Not available.

12.5 Results of PBT and vPvB assessment

PBT	: Albumin Reagent Wedge	Not applicable.
	Albumin Adjustors	Not applicable.
vPvB	: Albumin Reagent Wedge	Not applicable.
	Albumin Adjustors	Not applicable.

12.6 Other adverse effects : 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	: The classification of the product may meet the criteria for a hazardous waste. Sodium azide may react with lead or copper plumbing to form highly explosive metal azides.

Packaging

Methods of disposal	: The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.
Special precautions	: This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spill material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

ADR/RID

14.1 UN number	Albumin Reagent Wedge	Not regulated.
	Albumin Adjustors	Not regulated.
14.2 UN proper shipping name	Albumin Reagent Wedge	-
	Albumin Adjustors	-

SECTION 14: Transport information

14.3 Transport hazard class(es)	Albumin Reagent Wedge	-
	Albumin Adjustors	-
14.4 Packing group	Albumin Reagent Wedge	-
	Albumin Adjustors	-
14.5 Environmental hazards	Albumin Reagent Wedge	No.
	Albumin Adjustors	No.
Additional information	Albumin Reagent Wedge	-
	Albumin Adjustors	-

ADN

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

IMDG

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

IATA

14.1 UN number	Albumin Reagent Wedge	Not regulated.
	Albumin Adjustors	Not regulated.
14.2 UN proper shipping name	Albumin Reagent Wedge	-
	Albumin Adjustors	-

SECTION 14: Transport information

14.3 Transport hazard class(es)	Albumin Reagent Wedge	-
	Albumin Adjustors	-
14.4 Packing group	Albumin Reagent Wedge	-
	Albumin Adjustors	-
14.5 Environmental hazards	Albumin Reagent Wedge	No.
	Albumin Adjustors	No.
Additional information	Albumin Reagent Wedge	-
	Albumin Adjustors	-

14.6 Special precautions for user : Albumin Reagent Wedge

Albumin Adjustors

Transport within user's premises:
always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport within user's premises:
always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

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

SECTION 15: Regulatory information

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

Annex XIV - List of substances subject to authorisation

Annex XIV

None of the components are listed.

Substances of very high concern

None of the components are listed.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles : Albumin Reagent Wedge
Albumin Adjustors

Not applicable.

Not applicable.

Other EU regulations

Europe inventory : Not determined.

Seveso II Directive

This product is controlled under the Seveso II Directive.

Danger criteria

Category

Albumin Adjustors

C2: Toxic

SECTION 15: Regulatory information**15.2 Chemical Safety Assessment**

: This product contains substances for which Chemical Safety Assessments are still required.

SECTION 16: Other information

Indicates information that has changed from previously issued version.

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

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

Acute Tox. 4, H302

Acute Tox. 4, H312

Aquatic Chronic 3, H412

Albumin Adjustors

Acute Tox. 4, H302

Acute Tox. 4, H312

Aquatic Chronic 3, H412

Calculation method

Calculation method

Calculation method

Full text of abbreviated H statements**: Albumin Adjustors**

H300

Fatal if swallowed.

H302

Harmful if swallowed.

H310

Fatal in contact with skin.

H312

Harmful in contact with skin.

H400

Very toxic to aquatic life.

H410

Very toxic to aquatic life with long lasting effects.

H412

Harmful to aquatic life with long lasting effects.

Full text of classifications [CLP/GHS]**: Albumin Adjustors**

Acute Tox. 1, H310

ACUTE TOXICITY: SKIN - Category 1

Acute Tox. 2, H300

ACUTE TOXICITY: ORAL - Category 2

Acute Tox. 4, H302

ACUTE TOXICITY: ORAL - Category 4

Acute Tox. 4, H312

ACUTE TOXICITY: SKIN - Category 4

Aquatic Acute 1, H400

ACUTE AQUATIC HAZARD - Category 1

Aquatic Chronic 1, H410

LONG-TERM AQUATIC HAZARD - Category 1

Aquatic Chronic 3, H412

LONG-TERM AQUATIC HAZARD - Category 3

Full text of abbreviated R phrases

: R28- Very toxic if swallowed.

R25- Toxic if swallowed.

R32- Contact with acids liberates very toxic gas.

R50/53- Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R52/53- Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Full text of classifications [DSD/DPD]

: T+ - Very toxic

T - Toxic

N - Dangerous for the environment

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: No previous validation.

Version

: 1

Notice to reader

SECTION 16: Other information

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