# SAFETY DATA SHEET

SIEMENS Healthineers

Atellica™ CH Albumin (Alb)

SDS # : 11097590

## Section 1. Identification

**Product identifier** : Atellica™ CH Albumin (Alb)

**Product code** : 11097590, 11645757

**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

**Emergency telephone number** (800) 424-9300 (CHEMTREC) (24/365)

## Section 2. Hazards identification

**OSHA/HCS status** : Alb Reagent — This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**Classification of the substance or mixture** : **Alb Reagent**

| | |
|---|---|
| SERIOUS EYE DAMAGE | Category 1 |
| SKIN SENSITIZATION | Category 1 |

**Additional information** : Not available.

Not available.

**GHS label elements**

**Hazard pictograms** :



**Signal word** : Alb Reagent — Danger

**Hazard statements** : Alb Reagent
H317 - May cause an allergic skin reaction.
H318 - Causes serious eye damage.

**Precautionary statements**

**Prevention** : Alb Reagent — P280 - Wear protective gloves/protective clothing/eye protection/face protection.

**Response** : Alb Reagent
P363 - Wash contaminated clothing before reuse.
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water.
P333 + P313 - If skin irritation or rash occurs: Get medical advice or attention.
P305 + P351 + P338, P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.

**Storage** : Alb Reagent — Not applicable.

**Disposal** : Alb Reagent — P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.

## Section 2. Hazards identification

| | | |
|---|---|---|
| **Supplemental label elements** | : Alb Reagent | None known. |
| **Hazards not otherwise classified** | : Alb Reagent | None known. |

## Section 3. Composition/information on ingredients

| | | |
|---|---|---|
| **Substance/mixture** | : Alb Reagent | Mixture |

| Ingredient name | % | CAS number |
|---|---|---|
| **Alb Reagent** | | |
| succinic acid | ≤10 | 110-15-6 |
| 2-methyl-2H-isothiazol-3-one hydrochloride | <1 | 26172-54-3 |

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** | : Alb Reagent | Get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. |
| **Inhalation** | : Alb Reagent | Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. |
| **Skin contact** | : Alb Reagent | Get medical attention immediately. Call a poison center or physician. Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse. |

# Section 4. First aid measures

| | | | |
|---|---|---|---|
| **Ingestion** | : | Alb Reagent | Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. |

**Most important symptoms/effects, acute and delayed**

**Potential acute health effects**

| | | | |
|---|---|---|---|
| **Eye contact** | : | Alb Reagent | Causes serious eye damage. |
| **Inhalation** | : | Alb Reagent | No known significant effects or critical hazards. |
| **Skin contact** | : | Alb Reagent | May cause an allergic skin reaction. |
| **Ingestion** | : | Alb Reagent | No known significant effects or critical hazards. |

**Over-exposure signs/symptoms**

| | | | |
|---|---|---|---|
| **Eye contact** | : | Alb Reagent | Adverse symptoms may include the following:<br>pain<br>watering<br>redness |
| **Inhalation** | : | Alb Reagent | No specific data. |
| **Skin contact** | : | Alb Reagent | Adverse symptoms may include the following:<br>pain or irritation<br>redness<br>blistering may occur |
| **Ingestion** | : | Alb Reagent | Adverse symptoms may include the following:<br>stomach pains |

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

| | | |
|---|---|---|
| **Notes to physician** | : | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| **Specific treatments** | : | No specific treatment. |
| **Protection of first-aiders** | : | No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. |

**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

**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. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. 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. Approach 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 (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. 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). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. 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.

# Section 7. Handling and storage

**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. Store locked up. 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. See Section 10 for incompatible materials before handling or use.

# Section 8. Exposure controls/personal protection

**Control parameters**

**Occupational exposure limits**

None.

**Appropriate engineering controls** : If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

**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. Contaminated work clothing should not be allowed out of the workplace. 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: chemical splash goggles and/or face shield. If inhalation hazards exist, a full-face respirator may be required instead.

**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** : 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** | : | Alb Reagent | Liquid. |
| **Color** | : | Alb Reagent | Yellow. |
| **Odor** | : | Alb Reagent | Odorless. |
| **pH** | : | Alb Reagent | Not applicable. |
| **Flash point** | : | Alb Reagent | [Product does not sustain combustion.] |
| **Flammability (solid, gas)** | : | Alb Reagent | Not relevant/applicable due to nature of the product. |
| **Relative density** | : | Alb Reagent | Not available. |
| **Solubility(ies)** | : | | |

Not available.

| | | | |
|---|---|---|---|
| **Solubility in water** | : | Alb Reagent | Not available. |
| **Partition coefficient: n-octanol/water** | : | Alb Reagent | Not relevant/applicable due to nature of the product. |
| **Auto-ignition temperature** | : | Alb Reagent | Not available. |
| **Viscosity** | : | Alb Reagent | Not relevant/applicable due to nature of the product. |

**Aerosol product**

| | | | |
|---|---|---|---|
| **Type of aerosol** | : | Alb Reagent | Not applicable. |

## Section 10. Stability and reactivity

| | | | |
|---|---|---|---|
| **Reactivity** | : | Alb Reagent | No specific test data related to reactivity available for this product or its ingredients. |
| **Chemical stability** | : | Alb Reagent | The product is stable. |
| **Possibility of hazardous reactions** | : | Under normal conditions of storage and use, hazardous reactions will not occur. | |
| **Conditions to avoid** | : | Alb Reagent | No specific data. |
| **Incompatible materials** | : | Alb Reagent | No specific data. |
| **Hazardous decomposition products** | : | Alb Reagent | 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 |
|---|---|---|---|---|
| **Alb Reagent** succinic acid | LD50 Oral | Rat | 2260 mg/kg | - |

**Conclusion/Summary** : Alb Reagent Not available.

**Irritation/Corrosion**

| Product/ingredient name | Result | Species | Score | Exposure | Observation |
|---|---|---|---|---|---|
| **Alb Reagent** succinic acid | Eyes - Severe irritant | Rabbit | - | 750 ug | - |

**Conclusion/Summary**

| | | | |
|---|---|---|---|
| **Skin** | : | Alb Reagent | Not available. |
| **Eyes** | : | Alb Reagent | Not available. |
| **Respiratory** | : | Alb Reagent | Not available. |

# Section 11. Toxicological information

**Sensitization**

Not available.

**Conclusion/Summary**

| | | | |
|---|---|---|---|
| **Skin** | : | Alb Reagent | Not available. |
| **Respiratory** | : | Alb Reagent | Not available. |

**Mutagenicity**

Not available.

| | | | |
|---|---|---|---|
| **Conclusion/Summary** | : | Alb Reagent | Not available. |

**Carcinogenicity**

Not available.

| | | | |
|---|---|---|---|
| **Conclusion/Summary** | : | Alb Reagent | Not available. |

**Reproductive toxicity**

Not available.

| | | | |
|---|---|---|---|
| **Conclusion/Summary** | : | Alb Reagent | Not available. |

**Teratogenicity**

Not available.

| | | | |
|---|---|---|---|
| **Conclusion/Summary** | : | Alb Reagent | 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** | : | Alb Reagent | Not available. |

**Potential acute health effects**

| | | | |
|---|---|---|---|
| **Eye contact** | : | Alb Reagent | Causes serious eye damage. |
| **Inhalation** | : | Alb Reagent | No known significant effects or critical hazards. |
| **Skin contact** | : | Alb Reagent | May cause an allergic skin reaction. |
| **Ingestion** | : | Alb Reagent | No known significant effects or critical hazards. |

**Symptoms related to the physical, chemical and toxicological characteristics**

| | | | |
|---|---|---|---|
| **Eye contact** | : | Alb Reagent | Adverse symptoms may include the following:<br>pain<br>watering<br>redness |
| **Inhalation** | : | Alb Reagent | No specific data. |
| **Skin contact** | : | Alb Reagent | Adverse symptoms may include the following:<br>pain or irritation<br>redness<br>blistering may occur |
| **Ingestion** | : | Alb Reagent | Adverse symptoms may include the following:<br>stomach pains |

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

**Short term exposure**

# Section 11. Toxicological information

**Potential immediate effects** : Alb Reagent — Not available.

**Potential delayed effects** : Alb Reagent — Not available.

**Long term exposure**

**Potential immediate effects** : Alb Reagent — Not available.

**Potential delayed effects** : Alb Reagent — Not available.

**Potential chronic health effects**

Not available.

**Conclusion/Summary** : Alb Reagent — Not available.

**General** : Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

**Carcinogenicity** : No known significant effects or critical hazards.

**Mutagenicity** : No known significant effects or critical hazards.

**Reproductive toxicity** : No known significant effects or critical hazards.

**Numerical measures of toxicity**

**Acute toxicity estimates**

| Product/ingredient name | Oral (mg/kg) | Dermal (mg/kg) | Inhalation (gases) (ppm) | Inhalation (vapors) (mg/l) | Inhalation (dusts and mists) (mg/l) |
|---|---|---|---|---|---|
| **Alb Reagent** | | | | | |
| succinic acid | 2260 | N/A | N/A | N/A | N/A |
| 2-methyl-2H-isothiazol-3-one hydrochloride | 100 | N/A | N/A | N/A | N/A |

**Interactive effects** : Alb Reagent — Not available.

**Other information** : Alb Reagent — Not available.

# Section 12. Ecological information

**Toxicity**

| Product/ingredient name | Result | Species | Exposure |
|---|---|---|---|
| **Alb Reagent**<br>succinic acid | Acute EC50 374200 µg/l Fresh water | Daphnia - Daphnia magna - Larvae | 48 hours |

**Conclusion/Summary** : Alb Reagent — Not available.

**Persistence and degradability**

**Conclusion/Summary** : Alb Reagent — Not available.

**Bioaccumulative potential**

| Product/ingredient name | $LogP_{ow}$ | BCF | Potential |
|---|---|---|---|
| **Alb Reagent**<br>succinic acid | -0.59 | - | low |

**Mobility in soil**

**Soil/water partition coefficient ($K_{OC}$)** : Alb Reagent — Not available.

**Mobility** : Alb Reagent — 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. 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 spilled material and runoff and contact with soil, waterways, drains and sewers.

## Section 14. Transport information

### DOT Classification

| | | |
|---|---|---|
| **UN number** | Alb Reagent | Not regulated. |
| **UN proper shipping name** | Alb Reagent | - |
| **Transport hazard class(es)** | Alb Reagent | - |
| **Packing group** | Alb Reagent | - |
| **Environmental hazards** | Alb Reagent | No. |
| **Additional information** | Alb Reagent | - |

### TDG Classification

| | | |
|---|---|---|
| **UN number** | Alb Reagent | Not regulated. |
| **UN proper shipping name** | Alb Reagent | - |
| **Transport hazard class(es)** | Alb Reagent | - |
| **Packing group** | Alb Reagent | - |
| **Environmental hazards** | Alb Reagent | No. |
| **Additional information** | Alb Reagent | - |

### ADR/RID

| | | |
|---|---|---|
| **UN number** | Alb Reagent | Not regulated. |
| **UN proper shipping name** | Alb Reagent | - |
| **Transport hazard class(es)** | Alb Reagent | - |
| **Packing group** | Alb Reagent | - |

# Section 14. Transport information

| | | |
|---|---|---|
| **Environmental hazards** | Alb Reagent | No. |
| **Additional information** | Alb Reagent | - |

### IMDG

| | | |
|---|---|---|
| **UN number** | Alb Reagent | Not regulated. |
| **UN proper shipping name** | Alb Reagent | - |
| **Transport hazard class(es)** | Alb Reagent | - |
| **Packing group** | Alb Reagent | - |
| **Environmental hazards** | Alb Reagent | No. |
| **Additional information** | Alb Reagent | - |

### IATA

| | | |
|---|---|---|
| **UN number** | Alb Reagent | Not regulated. |
| **UN proper shipping name** | Alb Reagent | - |
| **Transport hazard class(es)** | Alb Reagent | - |
| **Packing group** | Alb Reagent | - |
| **Environmental hazards** | Alb Reagent | No. |
| **Additional information** | Alb Reagent | - |

**Special precautions for user** : Alb 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.

**Transport in bulk according to IMO instruments** Not applicable.

# Section 15. Regulatory information

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

**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

**SARA 302/304**

**Composition/information on ingredients**

No products were found.

**SARA 304 RQ** : Not applicable.

**SARA 311/312**

**Classification** : SERIOUS EYE DAMAGE - Category 1
SKIN SENSITIZATION - Category 1

**Composition/information on ingredients**

| Name | % | Classification |
|---|---|---|
| **Alb Reagent** | | |
| succinic acid | ≤10 | SERIOUS EYE DAMAGE - Category 1 |
| 2-methyl-2H-isothiazol-3-one hydrochloride | <1 | ACUTE TOXICITY (oral) - Category 3<br>SKIN CORROSION - Category 1A<br>SERIOUS EYE DAMAGE - Category 1<br>SKIN SENSITIZATION - Category 1 |

**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**

This product does not require a Safe Harbor warning under California Prop. 65.

**International regulations**

**Chemical Weapon Convention List Schedules I, II & III Chemicals**

Not listed.

# Section 16. Other information

**History**

**Date of issue/Date of revision** : 1/22/2026

**Version** : 1.03

## Section 16. Other information

**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 N/A = Not available SGG = Segregation Group

**Indicates information that has changed from previously issued version.**