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Human Serum Albumin (HSA) 25% Closed System Solutions (CSS)®

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / March 26, 2012 / Rules And Regulations According To The Hazardous Products Regulation (February 11, 2015).
Date of Issue: 06/19/2026 Version: 2.0

SECTION 1: IDENTIFICATION

1.1. Product Identifier

Product Name: Human Serum Albumin (HSA) 25% Closed System Solutions (CSS)®
Product Code: AR1037

1.2. Recommended use of the chemical and restrictions on use

Identified Uses: For research use or further manufacturing use in *ex vivo* cell therapy applications.
Restricted Uses: Not intended for direct *in vivo* use or for direct clinical use as a drug, therapeutic, biologic or medical device.

1.3. Name, Address, and Telephone of the Responsible Party

Akron BioProducts LLC
6353 W Rogers Circle, Suite 2
Boca Raton, FL 33487
561-750-6120
www.akronbiotech.com
Email: info@akronbiotech.com

1.4. Emergency Telephone Number

Emergency Number: +1-561-750-6120
Monday – Friday, 8:30am – 5:00pm EST

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

Not a hazardous substance or mixture.

2.2. Label Elements

Not a hazardous substance or mixture.

2.3. Other Hazards

Not a hazardous substance or mixture.

2.4. Unknown Acute Toxicity (GHS-US/CA)

No data available.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance

Not applicable.

3.2. Mixture

This product contains no substances which are considered hazardous to health at their given concentrations.

Chemical Name	Common Name and Synonyms	CAS Number
Human Serum Albumin	Albumin, Human Albumin, HSA	70024-90-7

SECTION 4: FIRST AID MEASURES

4.1. Description of First-aid Measures

Inhalation:

Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. Seek medical advice if necessary.

Skin Contact:
Remove contaminated clothing. Rinse affected area with water for at least 5 minutes. Obtain medical attention if irritation develops or persists.

Eye Contact:
Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if irritation develops or persists.

Ingestion:
Not expected to be an ingestion hazard under anticipated conditions of normal use of this material. Seek medical advice if necessary.

4.2. Most Important Symptoms and Effects Both Acute and Delayed
Not applicable.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed
Not applicable.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media
Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable extinguishing media: No data available.

5.2. Special Hazards Arising From the Substance or Mixture
No data available.

5.3. Advice for Firefighters
Standard procedure for chemical fires.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures
Ensure adequate ventilation. Always wear recommended Personal Protective Equipment. See Section 8 for more detail.

6.2. Environmental Precautions
No special enviromental precations required.

6.3. Methods and Materials for Containment and Cleaning Up
Soak up liquid components with inert absorbent material.

6.4. Reference to Other Sections
See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling
Use appropriate personal protective equipment (PPE). No special precautions for handling are required.

7.2. Conditions for Safe Storage, Including Any Incompatibilities
Keep container tightly closed in a dry place. Store at 2-8 °C.

7.3. Specific End Use(s)
Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

The product contains no substances with occupational exposure limit values from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), OSHA (PEL), Canadian provincial governments, or the Mexican government.

8.2. Exposure Controls

Appropriate Engineering Controls:

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Handle in accordance with good industrial hygiene and safety practice.

Personal Protective Equipment (PPE):

Hand Protection:

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Eye Protection:

Use face shield, chemical goggles or safety glasses tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

Skin and Body Protection:

The type of protective equipment must be selected according to the concentration, amount of the hazardous substance at the specific workplace and appropriate risk assessment.

Respiratory Protection:

Respiratory protection is not required. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hygiene measures:

Handle in accordance with good industrial hygiene and safety practice.

Environmental Exposure Controls:

Do not let product enter drains.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Appearance	:	Clear yellow, amber, or green tinted liquid
Odor	:	Not available
Odor threshold	:	Not available
pH	:	6.7 - 7.3
Melting point/freezing point	:	Not available
Boiling point/boiling range	:	Not available
Flash point	:	Not available
Evaporation rate	:	Not available
Flammability (solid, gas)	:	Not available
Lower flammable limit	:	Not available
Upper flammable limit	:	Not available
Vapor pressure	:	Not available
Relative vapor density at 20°C	:	Not available
Relative density	:	Not available
Solubility	:	Not available
Partition coefficient: N-Octanol/Water	:	Not available

Auto-ignition temperature : Not available

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity:
No data available.

10.2. Chemical Stability:
Stable under recommended handling and storage conditions (see Section 7).

10.3. Possibility of Hazardous Reactions:
No data available.

10.4. Conditions to Avoid:
No data available.

10.5. Incompatible Materials:
No data available.

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
There is no data available indicating acute toxicity.

Inhalation Exposure	:	Not classified
Ingestion Exposure	:	Not classified
Skin Exposure	:	Not classified
Eye Exposure	:	Not classified
Germ Cell Mutagenicity	:	Not classified
Carcinogenicity	:	Not classified
Reproductive Toxicity	:	Not classified
Specific Target Organ Toxicity (Single Exposure)	:	Not classified
Specific Target Organ Toxicity (Repeated Exposure)	:	Not classified
Aspiration Hazard	:	Not classified

SECTION 12: ECOLOGICAL INFORMATION

12.1. Ecotoxicity
No data available.

12.2. Persistence and Degradability
No data available.

12.3. Bioaccumulative Potential
No data available.

12.4. Mobility in Soil
No data available.

12.5. Other Adverse Effects
No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods
Treatment of waste per local authority regulations. Empty containers may retain product residues. Avoid disposal of material into untreated sewers. 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, national and local authority requirements.

SECTION 14: TRANSPORT INFORMATION

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

14.1 Not classified as dangerous in the meaning of transport regulations.

UN number	:	No data available
UN proper shipping name	:	No data available
Transport hazard class	:	No data available
Packing group	:	No data available
Environment Hazards	:	No data available
Special precautions for user	:	No data available
Transport in bulk	:	No data available

SECTION 15: REGULATORY INFORMATION

SARA 302 Components
This product does not contain any chemical components subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components
This product does not contain any chemical components subject to the reporting requirements of SARA Title III, Section 313.

SARA 311/312 Hazardous Categorization

Acute Health Hazard	:	No
Chronic Health Hazard	:	No
Fire Hazard	:	No
Sudden Release of Pressure Hazard	:	No
Reactive Hazard	:	No

State Right-to-Know Components
This product does not contain any chemical components subject to the State Right-to-Know Act.

California Prop. 65 Components
This product does not contain any chemical components subject to Proposition 65.

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Date of Preparation or Latest Revision	:	6/19/2026
Other Information	:	This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200 and Canada's Hazardous Products Regulations (HPR).

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Akron BioProducts LLC shall not be held liable for any damage resulting from handling or from contact with the above product.

NA GHS SDS 2015 (Can, US, Mex)