

SECTION 1 – IDENTIFICATION & COMPANY DETAILS

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Product Name: **HUMAN SERUM ALBUMIN**  
Product Code / Cat #: **2101**  
Product Use: Protein supplement for culture media in ART procedures.

Importer / Distributor: INVITROCARE INC  
Address: 8415 Progress Drive, Suite F  
Frederick, MD 21701  
Telephone: 301-360-9660 (Same number to be used in emergencies)

SECTION 2 – HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

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To the best of our knowledge, according to the OSHA Hazardous Communication Standard 29CFR 1910:1200, this product is not considered hazardous.

PLEASE NOTE: Contact with Liquid Media may irritate the eyes, skin or mucous membranes. In order to limit exposure, exercise caution and wear personal protection equipment when handling this material. Good laboratory and manufacturing procedures are essential for safe use. If exposure occurs, leave area of contamination immediately. Flush product from eyes or skin with water for at least fifteen minutes. If a reaction such as irritation occurs, consult a Poison Control Center or physician immediately.

HAZARDOUS INGREDIENTS: This product is formulated with 100 mg/ml human serum albumin. TLV not established. Slightly toxic. Possible allergic reaction if ingested or in contact with skin. Could result in skin rash and/or labored breathing.

CHEMICAL NAME: Albumin, Human (Human Serum Albumin)

Parent HSA used to formulate this product is derived from blood from CBER licensed Blood Banks. All donors used to obtain the Human Albumin were individually tested and found to be non-reactive for hepatitis B surface antigen (HbsAg), antibodies to hepatitis C virus (HCV) and antibodies to HIV-1 and HIV-2 by approved testing methods.

SECTION 3 – COMPOSITION / INFORMATION ON THE COMPONENTS

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Component	CAS-code
Human Serum Albumin	70024-90-7
Sodium chloride	7647-14-5

#### SECTION 4 – FIRST AID MEASURES

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**INHALATION:** Not a likely source of exposure.  
**INGESTION:** Wash out mouth with water. Do NOT induce vomiting. If swallowed, consult a physician.  
**SKIN:** Wash immediately and thoroughly with soap and water after each contact.  
**EYES:** Flush with copious quantities of water. Assure adequate flushing by separating the eyelids with fingers..  
If irritation develops, consult a physician.

In case of serious hypersensitivity reaction, rush for immediate medical attention.

#### SECTION 5 – FIRE-FIGHTING MEASURES

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**FIRE HAZARD:** Non Flammable  
**EXTINGUISHING MEDIA:** Water, Carbon Dioxide or any other media suitable for surrounding fire.  
**FIRE FIGHTING PROCEDURES:** Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

#### SECTION 6 – ACCIDENTAL RELEASE MEASURES

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**PRECAUTIONS IN HANDLING and STORING:** Use absorbent material and containerize the collection.  
Avoid raising dust.  
Ventilate area and wash spill site after material pickup is complete.

#### SECTION 7 – PRECAUTIONS FOR SAFE HANDLING & USE

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Store in original container at 2-8°C, in a well ventilated place, protected from light. Use aseptic working techniques. Do not mouth pipette. Avoid any unnecessary contact with skin, eyes or mucus membranes.  
Keep container closed when not in use. Do not freeze.

#### SECTION 8 – EXPOSURE CONTROLS – PERSONAL PROTECTION

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Avoid any unnecessary contact with skin. Do not mouth pipette. Store in cold room.  
Individuals with previous history of allergy (from antibiotics) and/or asthma should avoid potential exposure.

**RESPIRATORY PROTECTION:** Personal respiratory protective equipment not normally required. Where protection is desired, use NIOSH approved mechanical dust/mist cartridge respirator or NIOSH approved single use dust respirator.  
**VENTILATION:** Local exhaust adequate; mechanical recommended.  
**PROTECTIVE GLOVES:** Compatible chemical-resistance gloves.  
**EYE PROTECTION:** Safety glasses  
**PROTECTIVE CLOTHING:** Lab coat

SECTION 9 – PHYSICAL & CHEMICAL PROPERTIES

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Physical State:	Liquid, Light Yellow / Amber
Odor:	Odorless
pH:	7.25 – 7.45
Boiling Point:	No data available
Fire Hazards in presence of various substances:	Non flammable
Explosive Properties:	No risk
Flash Point:	None
Vapor Pressure:	No data available
Density:	No data available
Solubility:	Soluble in water
Vapor Density:	No data available

SECTION 10 – STABILITY & REACTIVITY DATA

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STABILITY: Stable

CONDITIONS TO AVOID: Temperatures below 0°C or above 40°C for extended periods of time.

HAZARDOUS POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS: Nature of decomposition products not known.

SECTION 11 – TOXICOLOGICAL INFORMATION

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Contains a human source material, the toxicological properties of which have not been thoroughly investigated.

SECTION 12 – ECOLOGICAL INFORMATION

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No information available.

SECTION 13 – DISPOSAL CONSIDERATIONS

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Dispose according to legislation.

Observe all federal, state and local environmental regulations for waste disposal.

SECTION 14 – TRANSPORT INFORMATION

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In accordance with ADR, RID, ADN, IMDG, IATA.

UN number: Not regulated for transport.

Classified as non-hazardous for transport.

SECTION 15 – REGULATORY INFORMATION

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**IRRITANT**

<b>Safety Phrases:</b>	S24/25	Avoid contact with skin and eyes.
	S26	In case of contact with eyes, rinse immediately with plenty of water.
	S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
<b>Risk Phrases:</b>	R36/37/38	Irritating to eyes.
<b>Regulations:</b>	The Chemicals (Hazard Information & Packaging for Supply) regulations 2002.	
	1999/45/EC Dangerous Preparations Directive.	
	91/155/EC Safety Data Sheets Directive.	

SECTION 16 – OTHER INFORMATION

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Source of key data used to  
Compile Safety Data Sheet:      Component Supplier Safety Data Sheets

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The above information and recommendations are believed to be correct, are presented in good faith and are based upon 29CFR 1910:1200(d) Hazard Determination. INVITROCARE INCORPORATED does not guarantee the accuracy of this data and shall not be liable for any damage resulting from handling or from contact with the above product. The information shall not be taken as being all inclusive and is to be used only as a guide with caution. This information is offered solely to you in the advisement for the safe use and handling of the material according to direction for use. (To use this material inconsistent with directions or labeling may constitute a hazard.) The recommendations here bear no legal requirements of Federal, State, Municipal or Insurance codes.