

SAFETY DATA SHEET

SDS DATE: January 25, 2021

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Adiponectin, human recombinant
PRODUCT CODES: Cat. #4901-25, -100, -1000
RESTRICTIONS ON USE: For laboratory research purposes. Not for drug or household use.
MANUFACTURER: BioVision, Inc.
ADDRESS: 155 S. Milpitas Boulevard, Milpitas, CA 95035
EMERGENCY PHONE: 858-373-8066
OTHER CALLS: 408-493-1800
FAX PHONE: 408-493-1801

SECTION 2: HAZARDS IDENTIFICATION

Product name	Description	Amount	Safety Information
Adiponectin, human recombinant	Lyophilized (contains BSA)	4901-25: 25 µg 4901-100: 100 µg 4901-1000: 1 mg	See Below

Bovine Serum Albumin (BSA)

Emergency Overview:

GHS Classification: Acute Toxicity; Oral, Category 4

GHS Label elements, including precautionary statements



Pictogram:

Signal word:

Warning

Hazard statement(s):

H302: Harmful if swallowed.

Precautionary statement(s):

P264: Wash {hands} thoroughly after handling.
P301+312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P330: Rinse mouth.

Adverse Human Health:

Harmful if swallowed.

Effects and Symptoms:

Material may be irritating to the mucous membranes and upper respiratory tract.
May be harmful by inhalation or skin absorption.
May cause eye, skin, or respiratory system irritation.
To the best of our knowledge, the toxicological properties have not been thoroughly investigated

HMIS Classification

Health hazard: 1

Flammability: 0

Physical hazards: 0

NFPA Rating

Health Hazard: 1

Fire: 0

Reactivity Hazard: 0

Potential Health Effects

Inhalation: May be harmful by inhalation. Material may be irritating to the mucous membranes and upper respiratory tract.

Skin: Harmful if absorbed through skin. May cause skin irritation.

Eyes: Cause eye irritation.

Ingestion: Harmful if swallowed

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS Number	EC-No.	Molecular Weight	Chemical Formula
BSA	9048-46-8	232-936-2	--	--

SECTION 4: FIRST AID MEASURES

Bovine Serum Albumin (BSA)

If inhaled: Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention.

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In case of skin contact: Immediately wash skin with soap and plenty of water for at least 15 minutes. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.

In case of eye contact: Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Have eyes examined and tested by medical personnel.

If swallowed: Wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Get medical attention. DO NOT induce vomiting unless directed to do so by medical personnel.

SECTION 5: FIRE-FIGHTING MEASURES

Bovine Serum Albumin (BSA)

Suitable extinguishing media: Use alcohol-resistant foam, carbon dioxide, water, or dry chemical spray. Use water spray to cool fire-exposed containers.

Unsuitable extinguishing media: A solid water stream may be inefficient.

Special protective equipment for fire fighters: As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes.

Further information: No data available

SECTION 6: ACCIDENTAL RELEASE MEASURES

Bovine Serum Albumin (BSA)

Personal precautions, Protective equipment and emergency procedures: Avoid raising and breathing dust, and provide adequate ventilation. As conditions warrant, wear a NIOSH approved self-contained breathing apparatus, or respirator, and appropriate personal protection (rubber boots, safety goggles, and heavy rubber gloves).

Environmental precautions: Take steps to avoid release into the environment, if safe to do so.

Methods for cleaning up: Contain spill and collect, as appropriate. Transfer to a chemical waste container for disposal in accordance with local regulations

SECTION 7: HANDLING AND STORAGE

Bovine Serum Albumin (BSA)

Precautions for safe handling: Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid prolonged or repeated exposure.

Conditions for safe storage: Keep container tightly closed. Store in accordance with information listed on the product insert.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Bovine Serum Albumin (BSA)

Exposure Controls:

CAS#	Partial Chemical Name	Britain EH40	France VL	Europe
9048-46-8	Bovine Serum Albumin (BSA)	No data	No data	No data
CAS#	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other limits
9048-46-8	Bovine Serum Albumin (BSA)	No data	No data	No data

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	BSA
Appearance:	Off-white powder
pH:	No data available
Water Solubility:	~ 50 mg/ml in water, with 15 min manual stirring.
Other Solubility:	No data available
Boiling Point (°C):	No data available
Melting Point (°C):	No data available
Flash Point (°C):	No data available
Ignition Temperature (°C):	No data available
Density:	No data available

SECTION 10: STABILITY AND REACTIVITY

Property	BSA
Chemical stability:	Stable under recommended storage conditions
Conditions to avoid:	No data available
Materials to avoid:	No data available
Hazardous decomposition products:	No data available

SECTION 11: TOXICOLOGICAL INFORMATION

Bovine Serum Albumin (BSA)

The toxicological effects of this product have not been thoroughly studied.

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SECTION 12: ECOLOGICAL INFORMATION

Bovine Serum Albumin (BSA)

Toxicity: Avoid release into the environment. Runoff from fire control or dilution water may cause pollution.

Persistence and degradability: No data available

Toxicity: No data available

Bio accumulative potential: No data available

Mobility in soil: No data available

PBT and vPvB assessment: No data available

SECTION 13: DISPOSAL CONSIDERATIONS

Bovine Serum Albumin (BSA)

Waste Disposal Method: Dispose in accordance with local, state, and federal regulations

SECTION 14: TRANSPORT INFORMATION

Bovine Serum Albumin (BSA)

DOT (US): Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

SECTION 15: REGULATORY INFORMATION

SARA 302 Components: SARA 302: No chemical in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components: SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title II, Section 313.

SARA 311/312 Hazards: No SARA hazards.

Massachusetts Right to Know Components: No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right to Know Components: No components are subject to the Pennsylvania Right to Know Act.

New Jersey Right to Know Components: No components are subject to the New Jersey Right to Know Act

California Prop. 65 Components: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

EU regulations

Component	Risk Phrases	Safety Phrases
BSA	R20/21/22	S36/37/39

SECTION 16: OTHER INFORMATION

DISCLAIMER:

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 is 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. BioVision, Inc., shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.