Safety data sheet

Bovine Serum Albumin

Product name Bovine Serum Albumin	Catalog no. BSA05, BSA10, BSA25, BSA50
Synonyms BSA	SDS revision -
CAS no. 9048-46-8	Format version / date 1.0 / 24 October 2026

01 PRODUCT AND COMPANY IDENTIFICATION

Product identifier	Bovine Serum Albumin
Product code	BSA05, BSA10, BSA25, BSA50
CAS number	9048-46-8
EC number	232-936-2
Recommended use	For research use only. Not intended for diagnostic or therapeutic use.
Supplier	EcoTech Biotechnology
Website	www.ecotechbiotech.com
Address	Universite Mah. İpekyolu Cad. Ata Teknokent Sitesi B Blok No: Z10 Yakutiye Erzurum Türkiye
Telephone	0090 544 327 34 97
SDS contact	info@ecotechbiotech.com
Emergency telephone	0090 544 327 34 97
Available	Monday-Saturday/08:00-20:00/GMT+3
Languages	Turkish/English
Outside these hours	Contact: info@ecotechbiotech.com

02 HAZARDS IDENTIFICATION

Classification	Physical hazards: Classification criteria are not met. Health hazards: Classification criteria are not met. Environmental hazards: Classification criteria are not met.
Label elements	No GHS label elements required.
Symbols / pictograms	None
Signal word	None
Hazard statements	None
Precautionary statements	None
Other hazards	Not considered PBT or vPvB. No known or suspected endocrine disruptors.

Composition & response

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03 COMPOSITION / INFORMATION ON INGREDIENTS

Substance	Bovine Serum Albumin (BSA)
CAS number	9048-46-8
EC number	232-936-2

04 FIRST AID MEASURES

4.1 Description of first aid measures

Eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Skin contact	Rinse skin with water. Immediate medical attention is not required.
Inhalation	Not expected to be an inhalation hazard during normal use. Consult a physician if necessary.
Ingestion	Not expected to present a significant ingestion hazard during normal use. If unwell, seek medical advice.
Self-protection of first aider	Use personal protective equipment as required.
Most important symptoms / effects	No specific symptoms reported.
Immediate medical attention / treatment	Treat symptomatically.

05 FIREFIGHTING MEASURES

Suitable extinguishing media	Water spray, carbon dioxide (CO2), foam or dry chemical.
Unsuitable extinguishing media	No information available.
Special hazards arising from the substance or mixture	Thermal decomposition may release irritating gases or vapours.
Explosion data	Mechanical impact: No information available. Static discharge: No information available.
Advice for firefighters	Follow standard precautions for chemical fires.

Safe use & protection

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06 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Ensure adequate ventilation and wear recommended personal protective equipment.
Environmental precautions	Avoid release to the environment.
Methods and materials for containment and cleaning up	Collect spills using inert material and transfer to a suitable closed container.
Reference to other sections	See Section 13 for disposal.

07 HANDLING AND STORAGE

Precautions for safe handling	Use personal protective equipment as required. No special handling precautions reported.
Conditions for safe storage	Keep containers tightly closed, properly labelled and in a cool, dry, well-ventilated place away from incompatible materials.

08 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Contains no substances with established occupational exposure limit values.

8.2 Exposure controls

Engineering measures	Ensure adequate ventilation, particularly in confined areas.
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice. When using, do not eat, drink or smoke. Wash hands, forearms and face after handling.
Eye / face protection	Tight-sealing safety goggles.
Hand protection	Wear suitable gloves. Use compatible chemical-resistant gloves.
Skin and body protection	Wear laboratory coat or impervious clothing. Choose protection appropriate for the amount and concentration at the workplace.
Respiratory protection	If ventilation is inadequate, use an approved respirator.

Material properties

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09 PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	light yellow - beige
Odor	No data available
Odor threshold	No data available
pH	No data available
Melting point / freezing point	No data available
Initial boiling point and boiling range	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper / lower flammability or explosive limits	No data available
Vapor pressure	No data available
Vapor density	No data available
Relative density	No data available
Solubility(ies)	No data available
Partition coefficient: n-octanol / water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidizing properties	No data available

10 STABILITY AND REACTIVITY

Reactivity	Stable.
Chemical stability	Stable when kept cool and dry.
Possibility of hazardous reactions	No hazardous reactions reported.
Conditions to avoid	No information available.
Incompatible materials	No dangerous reactions known during normal use.
Hazardous decomposition products	No data available.

Health & environment

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11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity	No data available.
Skin corrosion / irritation	Available data are insufficient for classification.
Serious eye damage / eye irritation	Available data are insufficient for classification.
Carcinogenicity	No known carcinogenic chemicals are reported.
Reproductive toxicity	Available data are insufficient for classification.
STOT - SE	Available data are insufficient for classification.
STOT - RE	Available data are insufficient for classification.
Aspiration hazard	Available data are insufficient for classification.

11.2 Potential health effects

Ingestion: Available data are insufficient for classification.
Inhalation: Available data are insufficient for classification.
Skin: Available data are insufficient for classification.
Eyes: Available data are insufficient for classification.

11.3 Additional information

No additional information is available.

12 ECOLOGICAL INFORMATION

Ecotoxicity	Do not discharge into drains.
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	The product is water soluble and may spread in water systems; mobility in soils may occur.
Results of PBT and vPvB assessment	Not considered PBT or vPvB.

13 DISPOSAL CONSIDERATIONS

Waste treatment methods

Product	Use a licensed professional waste disposal service and comply with applicable federal, state and local regulations.
Contaminated packaging	Dispose of as unused product. Do not reuse empty containers.

Transport & reference

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14 TRANSPORT INFORMATION

Mode	UN no.	UN proper shipping name	Hazard class	Packing group	Environmental hazards
DOT (US)	Not applicable	Not regulated	Not applicable	Not applicable	No
IMDG	Not applicable	Not regulated	Not applicable	Not applicable	No
IATA	Not applicable	Not regulated	Not applicable	Not applicable	No

15 REGULATORY INFORMATION

Safety, health and environmental regulations	No further product-specific data available.
Environmental hazards	Not applicable.
Chemical safety assessment	No chemical safety assessment has been carried out.

16 OTHER INFORMATION

Key to abbreviations and acronyms

STOT-SE	Specific Target Organ Toxicity - Single Exposure
STOT-RE	Specific Target Organ Toxicity - Repeated Exposure
PBT	Persistent Bioaccumulative and Toxic
vPvB	very Persistent very Bioaccumulative and toxic
ADR	European Agreement concerning the international carriage of Dangerous goods by Road
CAS	Chemical Abstracts Service
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime code for Dangerous Goods
REACH	Registration, Evaluation, Authorization and restriction of Chemicals
RID	Regulations concerning the International transport of Dangerous goods by rail