

Material Safety Data Sheet (MSDS) for BSA



Cell Signaling
TECHNOLOGY®

I. Identification:

Product name: BSA

Product Catalog: 9998

Manufacturer Supplier: Cell Signaling Technology
3 Trask Lane
Danvers, MA 01923 USA
1-978-867-2300 TEL
1-978-867-2400 FAX
1-978-578-6737 Emergency TEL

II. Composition/Information on Ingredients:

Substance Name: Bovine Serum Albumin
CAS#: 9048-46-8

III. Hazard Identification:

To the best of our knowledge, the chemical, physical, and toxicological properties of this buffer solution have not been thoroughly investigated. This is expected to be a low hazard for usual industrial handling.

Routes of Exposure:

Eye Exposure: No information regarding eye irritation was found. Contact may cause transient eye irritation.

Skin Exposure: May cause skin sensitization, allergic reaction, which becomes evident upon re-exposure to this material.

Ingestion: Low hazard for industrial handling. May cause an allergic reaction characterized by a rash.

Inhalation: Low hazard for industrial handling.

Chronic: No information found.

For Additional information, refer to section XI.

IV. First Aid Measures:

Inhalation: Remove to fresh air. If breathing is difficult, get medical attention.

Ingestion: If person is conscious, wash out mouth with water. Get medical attention.

Skin exposure: Wash skin with soap and water. If irritation develops or persists, get medical attention.

Eye exposure: Immediately flush eyes water for at least 15 minutes lifting upper and lower lids. Get medical attention.

V. Fire Fighting Measures:

Flash Point: Not applicable

Autoignition Temperature: Not applicable

Explosion: Not considered to be an explosion hazard.

Fire extinguishing media: Water spray, dry chemical, alcohol foam, or carbon dioxide.

Firefighting: Wear protective clothing and self-contained NIOSH approved breathing apparatus to prevent contact with skin and eyes.

VI. Accidental Release Measures: Use personal proactive equipment as indicated in section VIII. Sweep up, avoid rising dust, and transfer to a suitable clean, dry chemical waste container for disposal. Wash spill site after material has been picked up for disposal.

VII. Handling And Storage:

Handling: Use with adequate ventilation. Avoid contact with eyes and skin, wash thoroughly after handling

Storage: Store in tightly closed container in cool, dry place.

VIII. Exposure Controls/Personal:

Ventilation System: a system of local and/or general exhaust is recommended.

Skin Protection: wear protective gloves and lab coat to minimize contact with skin.

Eye protection: wear appropriate protective eyeglasses or chemical safety goggles. Maintain eye wash fountain and quick-drench facilities in work area.

IX. Physical And Chemical Properties:

Appearance:	off-white to tan powder
Odor:	slight
pH:	6.7 – 7.3
Boiling Point:	data not available
Melting Point:	data not available
Volatile Organic Compounds (VOC):	data not available
Solubility:	Soluble in water

X. Stability and Reactivity:

Stability: Stable

Conditions to avoid: high temperatures, strong oxidizing agents.

Hazardous Decomposition Products: carbon monoxide, oxides of nitrogen, carbon dioxide.

Hazardous polymerization: data not available.

XI. Toxicological Information:

RTECS:	unlisted.
LD50/LC50:	data not available.
Carcinogenicity:	not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.
Teratogenicity:	data not available
Reproductive effects:	data not available
Neurotoxicity:	data not available
Mutagenicity:	data not available

Signs and symptoms of exposure: To the best of our knowledge the chemical, physical, and toxicological properties have not been thoroughly investigated.

XII. Ecological Information:

No data available.

XIII. Disposal Considerations:

Contact a licensed professional waste disposal service to dispose of this material. Observe all federal, state and local environmental regulations.

XIV. Transport Information:

D.O.T.

Proper Shipping Name: None
This substance is considered non-hazardous for transport.

IATA

Proper Shipping Name: None
This substance is considered non-hazardous for air transport.

XV. Regulatory Information:

EU Regulations/Classifications/Labeling Information: Not available for this chemical substance.

US Regulatory Information:

SARA: CAS# 9048-46-8 is not listed

TSCA Inventory: CAS# 9048-46-8 is listed

Canada (WHMIS): CAS# 9048-46-8 is listed on DSL, not listed on NSDL

XVI. Other Information:

This compound is sold only for research use by personnel familiar with chemicals and who are well trained in good laboratory habits, such as avoiding spills, keeping hands clean at all times and not rubbing eyes with hands while working in the laboratory.

The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide for experienced personnel. Cell Signaling Technology, Inc., shall not be held liable for any damage resulting from the handling of or from contact with the above product. The burden of safe use of this material rests entirely with the user.

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