



Safety Data Sheet

BSA Buffer

SDS No. MS-BSA

Section 1. Chemical Product and Company Identification

Product Trade Name: BSA Buffer

Product code: BSA-1000

Synonyms: None

Manufactured/ Supplied: Immunalysis Corporation
829 Towne Center Drive
Pomona, CA 91767
1-909-482-0840

Product Information: (888) 664-8378 (In USA and Canada)

Section 2. Hazards Identification

Physical state Liquid

Emergency overview: Irritant.

GHS Label Elements:

Hazard Pictograms



Signal Word Warning

Potential acute health effects

Eyes H320 Contact with eyes may cause irritation.

Skin H315 Prolonged or repeated exposure may cause irritation.

Inhalation H261 Avoid breathing vapors or mists.

Ingestion H303 May be harmful if swallowed.

Potential chronic health effects

Carcinogenic effects Not available

Mutagenic effects Not available

Reproduction toxicity Not available

See toxicological information (section 11)

Section 3. Composition and Information on Ingredients

Name	CAS number	% by weight	Description
Proclin 300	96118-96-6	< 1%	Mixture
Bovine Serum Albumin	9048-46-8	< 1%	Substance
Sodium Phosphate Monobasic, Monohydrate	10049-21-5	< 1%	Substance
Dibasic Sodium Phosphate, Heptahydrate	7558-79-4	< 1%	Substance
Sodium Chloride	7647-14-5	< 1%	Substance
Water	7732-18-5	> 90%	Substance

Section 4. First Aid Measures

Eye contact	P305+P351+P338+P337+P313 If in eyes: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical attention.
Skin contact	P332+P350+P313 If skin irritation occurs: Gently wash with plenty of soap and water. Get medical attention if irritation occurs.
Inhalation	P304+P341+P309+P311 P311 If inhaled: If breathing is difficult, remove victim to fresh air and keep at rest in position comfortable for breathing. If not breathing, give artificial respiration. If exposed or if you feel unwell, call POISON CENTER or doctor.
Ingestion	P301+P330+P331+P314 If swallowed: Rinse mouth and drink plenty of water. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if you feel unwell. Never give anything by mouth to an unconscious person.

Section 5. Fire Fighting Measures

Flammability of the product	Non-flammable.
Fire-fighting media and instructions	Use an extinguishing agent suitable for the surrounding fire.
Special protective equipment for fire-fighters	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
Special remarks on fire hazards	None

Section 6. Accidental Release Measures

Personal precautions	Ensure adequate ventilation. Initiate company's spill response procedures immediately. Keep people out of area. Put on appropriate personal protective equipment (see section 8).
Environmental precautions	No special environmental precautions required.
Methods for cleaning up	Absorb spill with absorbent material and dispose of in accordance with local, state and federal regulations. Flush area with water thoroughly.

Section 7. Handling and Storage

Handling	P262+P281 Avoid contact with skin, eyes and clothing. Take necessary personal protective precautions before using this product. BSA was prepared from bovine plasma; which is tested for the absence of infectious agents and collected from animals free from BSE. However, no test may totally exclude the absence of infectious agents. As any product of bovine origin, this reagent must be used with all the cautions required for handling a material potentially infectious.
Storage	P404+P410 Keep container tightly closed. Store at 2-8°C. Avoid heat and direct sunlight.

Section 8. Exposure Controls, Personal Protection

Engineering measures	P271 Use only in a well ventilated area.
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Personal protection

Eyes	Safety glasses or goggles should be worn to prevent eye contact.
Skin	Laboratory coat or other protective clothing should be worn to protect against splashes and small spills.
Hands	Impervious gloves should be worn to prevent skin contact.
Respiratory	None, if ventilation is adequate

Consult local authorities for acceptable exposure limits.

Section 9. Physical and Chemical Properties

Physical state	Liquid
Odor	Odorless
Color	Colorless to light yellow
pH	7.0
Boiling/condensation point	The lowest known value is 99.9°C (211.8°F) (water)
Melting/freezing point	Not Available
Specific gravity	The only known value is 1 (Water = 1) (Water).

Section 10. Stability and Reactivity

Stability and reactivity	The product is stable under normal conditions.
Incompatibility	None

Section 11. Toxicological Information

Toxicity data

Ingredient Name	Test	Result	Route	Species
Proclin 300	LD50	500 - 2000 mg/kg	Oral	Rat
Bovine Serum Albumin	LD50	3.75 g/kg	Oral	Rat
Sodium Phosphate Monobasic, Monohydrate	LD50	12,930 mg/kg	Oral	Rat
Dibasic Sodium Phosphate, Heptahydrate	LD50	8290 mg/kg	Oral	Rat
Sodium Chloride	LD50	3000 mg/kg	Oral	Rat

Chronic Effects None Identified

Section 12. Ecological Information

Ecotoxicity data Not available

Toxicity of the products of biodegradation Not available

Section 13. Disposal Considerations

Waste disposal The generation of waste should be disposed of in accordance with local, state and federal regulations.

Consult your local or regional authorities.

Section 14. Transport Information

DOT Classification No restrictions

Section 15. Regulatory Information

US Federal

SARA Section 302 Extremely Hazardous Substances

None of the chemicals in this product have a TPQ.

SARA Codes

None

Clean Air Act

This material does not contain any hazardous air pollutants. This material does not contain any Class 1 Ozone depleters. This material does not contain any Class 2 Ozone depleters.

Clean Water Act

None of the chemicals in this product are listed as Priority Pollutants under the CWA. None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

OSHA:

None of the chemicals in this product are considered highly hazardous by OSHA.

STATE

CAS# 7732-18-5 is not present on state lists from CA, PA, MN, MA, FL or NJ.

California No Significant Risk Level

None of the chemicals in this product are listed.

European/International Regulations

European Labeling in Accordance with GHS



Hazard Pictograms:

Signal Word: Warning

Hazard Statements

H315 Prolonged or repeated exposure may cause irritation.

H303 May be harmful if swallowed.

H320 Contact with eyes may cause irritation.

Prevention and Precautionary Statements

P261 Avoid breathing dust/ fume/gas/mist/vapors/spray.

P305+P351 If in eyes: Rinse cautiously with water for several minutes.

P309+P313 If exposed or if you feel unwell: Get medical attention.

P101 If medical advice is needed, have product container or label at hand.

Canada - DSL/NDSL

CAS# 7732-18-5 is listed on Canada's DSL List.

Section 16. Other information

Date of issue	05/2015
Version	D.0

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Immunalysis shall not be liable for any damage resulting from handling or from contact with the above product by untrained personnel. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.