

SAFETY DATA SHEET



SeaBlock® Blocking Buffer, PBS-based

SECTION 1 – IDENTIFICATION

Product Identifier

Product Name: SeaBlock® Blocking Buffer, PBS- based

Product Code:

Product Code	Concentration	Protein Constituent	Buffer Base
009	ready to use	plasma	PBS (phosphate buffered saline)
010	10x		
038	ready to use	serum	
039	10x		

Synonyms: SeaBlock® fish-based blocking buffer, SeaBlock®
CAS No.: not applicable

Recommended Use of the Chemical and Restrictions for Use

Recommended Use: For Research Use Only. Not for use in diagnostic procedures.

Restrictions for Use: Not for drug, food, or household use or consumption.

Details of the Supplier

Company Address Salmonics, LLC.
74 Orion Street
TechPlace
Brunswick, ME 04011, USA

Company Phone Number 1-207-747-0116
Company URL www.salmonics.co

Emergency Phone Number

Company owner, direct line: Cem Giray, 1-207-841-1836

SECTION 2 – HAZARDS IDENTIFICATION

Classification

Not classified as a hazardous substance or mixture.

NFPA Hazard Class	Category
Health	0
Flammability	0
Stability	0

Label Elements

Hazard Symbol(s):
No known hazards.

SAFETY DATA SHEET



SeaBlock® Blocking Buffer, PBS-based

Hazard Statement(s): No known hazards.

Precautionary Statement(s): For research and development use only. Handle with care and wear appropriate personal protective equipment (PPE). Do not ingest or inject into body. Wear protective gloves and eye protection. Wash hands thoroughly after handling. Call a poison control center/doctor if you feel unwell.

Storage: 4-8°C

Disposal: Not a hazardous substance. Dispose of contents/containers in accordance with all local, regional, national, and international regulations.

Other Hazards

None known.

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

The product contains no substances which at their given concentration, are considered hazardous to health. Handle all laboratory reagents with care and wear appropriate personal protective equipment (PPE). The specific chemical identity and/or exact concentration of composition has been withheld as a trade secret in accordance with paragraph (i) of the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Chemical Name	Common Name & Synonyms	CAS Number	Weight %
Not applicable	Not applicable	Not applicable	Not applicable

SECTION 4 – FIRST AID AND MEASURES

First Aid Measures

Inhalation: Not considered to be an inhalation hazard under normal conditions. If symptoms occur, immediately move to fresh air, and seek medical advice/attention.

Eye contact: Immediately flush eyes with water for at least 15 minutes. If easy to do so, remove contact lenses, if worn. If irritation occurs, seek medical advice/attention.

Ingestion: Not expected to present a significant ingestion hazard. If swallowed, rinse mouth with water. Immediately seek advice from a medical professional. Do not induce vomiting and/or ingest anything else until speaking with a medical professional.

Skin: Rinse area with soap and water. Seek medical advice/attention if irritation develops and persists.

Most Important Symptoms and Effects (Acute and Delayed)

None known.

Indication of any Immediate Medical Attention and Special Treatment Needed

Note to Physician: Treat symptomatically.

SECTION 5 – FIRE FIGHTING MEASURES

Extinguishing Media

Suitable: Water spray; Carbon dioxide (CO₂); Foam; Dry powder.

Unsuitable: No information available.

Specific Hazards Arising from Chemical

None known.

Protective Equipment and Precautions for Firefighters

Standard procedure for chemical fires.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures

Always wear recommended personal protective equipment (PPE). Avoid inhalation of dust, avoid contact with skin and eyes, and ensure adequate ventilation in work area.

Environmental precautions

Do not let release product into the environment. Refer to section 12 for additional information.

Methods and material for containment and cleaning up

Cover drains, collect solid material into suitable containers for disposal, and/or absorb spills with an inert absorbent material. Use soap or a general disinfectant to clean affected area. Dispose of waste materials properly.

Additional information

Refer to section 8 on exposure, section 12 on ecological information, and section 13 on disposal.

SECTION 7 – HANDLING AND STORAGE

Precautions for safe handling

Always wear recommended personal protective equipment (PPE). Wear protective gloves and eye protection. No special handling necessary. Wash hands thoroughly after handling. Avoid the formation of dust and ensure adequate ventilation while using. Do not inhale, ingest, or inject into the body.

Conditions for safe storage, including any incompatibilities

Store product at 4-8°C. Store in properly labeled containers. No known incompatibilities.

SAFETY DATA SHEET



SeaBlock® Blocking Buffer, PBS-based

Specific end use(s)

Laboratory reagent for research use only.

SECTION 8 – EXPOSURE CONTROLS/ PERSONAL PROTECTION

Control parameters

Exposure limits	Contains no substances with occupational exposure limit values established.
Biological limits	As supplied, this product does not contain hazardous materials.
Engineering measures	Ensure adequate ventilation, especially in confined areas.

Exposure controls- Personal Protective Equipment (PPE)

Respiratory protection	No respiratory protection required in areas with adequate ventilation.
Hand protection	Wear chemical resistant gloves
Eye protection	Safety glasses with splash shield or tight-sealing safety goggles
Skin and Body Protection	Wear suitable protective clothing (long sleeve shirt and pants to cover exposed skin) or a laboratory coat
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice; Wash hands thoroughly after handling

Environmental exposure controls

No special environmental precautions required.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	
Physical state	liquid
Color	transparent, colorless
Odor	no data available
Odor threshold	no data available
pH	7.2- 7.5
Melting point/ freezing point	no data available (°C/°F)
Initial boiling point and boiling range	no data available (°C/°F)
Flash point	no data available (°C/°F)
Auto-ignition temperature	no data available (°C/°F)
Decomposition temperature	no data available (°C/°F)
Evaporation rate	no data available
Flammability (solid, gas)	no data available
Upper flammability or explosive limits	no data available

SAFETY DATA SHEET



SeaBlock® Blocking Buffer, PBS-based

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
Viscosity	no data available
Explosive properties	no data available
Oxidizing properties	no data available

Other information

No data available.

SECTION 10 – STABILITY AND REACTIVITY

Reactivity	No known hazards under normal conditions.
Chemical stability	Stable and non-reactive under normal conditions.
Possibility of hazardous reactions	No known hazards under normal conditions.
Conditions to avoid	No information available.
Incompatible materials	No known hazards under normal conditions.
Hazardous decomposition products	No known hazards under normal conditions. In the event of fire, refer to section 5.

SECTION 11 – TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation:	No information available.
Eye Contact:	No information available.
Skin Contact:	No information available.
Ingestion:	No information available.

Information on toxicological effects

There is no evidence available indicating acute toxicity. To our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization (skin or respiratory):	No information available.
Eye Damage/ Irritation:	No information available.
Mutagenic Effects:	No information available.
Carcinogenicity:	No information available.
Reproductive Toxicity:	No information available.
Target Organ Effects:	No information available.
Aspiration hazard:	No information available.

SAFETY DATA SHEET



SeaBlock® Blocking Buffer, PBS-based

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity:	To our knowledge, this product does not contain substances known to be hazardous to the environment. The environmental impact has not been fully investigated.
Persistence and Degradability:	No information available.
Bioaccumulation:	No information available.
Other Adverse Effects:	No information available.

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste treatment methods

The generation of waste should be avoided or minimized wherever possible. Empty containers may retain some product residues. Re-using empty product containers is not recommended. Dispose of this product in accordance with all federal, state, and local regulations.

SECTION 14 – TRANSPORT INFORMATION

NOTE: Not classified as hazardous for transportation.

DOT (Ground):	Not applicable.
IATA (Air):	Not applicable.
IMDG (Vessel):	Not applicable.

Environmental Hazards:

None known.

Special precautions for user:

In regards to transport regulations, this product is not classified as dangerous or hazardous.

SECTION 15 – REGULATORY INFORMATION

US Federal Regulations

SARA 313

This product is not regulated by the Superfund Amendments and Reauthorization Act (SARA).

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs)

This product does not contain HAPs.

SAFETY DATA SHEET



SeaBlock® Blocking Buffer, PBS-based

US State Right-to-Know Regulations

None known.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and this SDS contains all the information required by the CPR.

National Regulations

None known.

SECTION 16 – OTHER INFORMATION

Issuing Date	28Jul2022
Revision Date	17Apr2025
Revision Note(s)	Updated product codes and relevant information.

Disclaimer

The above information is believed to be correct but does not claim to be all-inclusive and shall be used only as a guide. The information provided in this Safety Data Sheet (SDS) is correct to the best of our knowledge at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the material specified and may not be valid for such material used in combination with any other materials or in any process.

End of Safety Data Sheet