

Live Cell Blocking Buffer V2

MSDS

Section 1 - Chemical Product

Product Family #	Protein Conjugation Blocking Buffer
Substance	Buffer solution with BSA in water
Trade Names/Synonyms	Blocking buffer
Chemical Family	Buffer

Section 2 - Composition, Information on Ingredients

Component	CAS#	EC#	% By Weight
Water	7732-18-5	231-791-2	Proprietary
Serum	n/a	n/a	Proprietary
Salt	n/a	n/a	Proprietary

Section 3 - Hazards Identification

Hazard Description	Irritant
NFPA Rating	Health = 1 Fire = 0 Reactivity = 0

Emergency Overview	
Color	Clear
Physical Form	Liquid
Odor	None
Major Health Hazards	None known
Physical Hazards	None known

Potential Health Effects	
Inhalation	Avoid breathing vapors, use adequate ventilation
Skin Contact	Avoid contact, skin contact may cause irritation
Eye Contact	May cause Irritation
Ingestion	Harmful if swallowed
Carcinogen Status	
OSHA	No
NTP	No
IARC	No

Section 4 - First Aid Measures

Inhalation	If inhaled, remove to fresh air. If not breathing give artificial respiration and seek medical attention.
Skin Contact	Wash skin with soap and water for at least 15 minutes while removing contaminated personal protective equipment, clothing and shoes. Seek medical attention if needed.
Eye Contact	Irrigate eyes for at least 15 minutes. Seek medical attention.
Ingestion	If swallowed, induce vomiting immediately after giving two glasses of water. Never give anything by mouth to an unconscious person.

Section 5 - Fire Fighting Measures

Fire/ Explosion Hazards	Thermal decomposition produces highly toxic fumes.
Fire Fighting Procedure	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.
Extinguishing Media	Material will not burn
Fire Fighting	Avoid product degradation by products
Flash Point	NA
Flammable Limits	NA
Autoignition Point	NA
Flammability Class	NA

Section 6 - Accidental Release Measures

Small Spills	Utilize personal protective equipment as described in section 8. Absorb spilled material and collect spilled material in appropriate container for hazardous waste disposal.
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Section 7 - Handling and Storage

Store at 4C. Do not freeze. Utilize good hygienic work practices. Wash hands after use.

Section 8 - Engineering Controls & Personal Protective Equipment

Exposure Limits	
Blocking Buffer Solution	No exposure limits established
Ventilation	Normal handling of product at room temperature does not require the use of additional exhaust systems other than general room/lab ventilation. Provide local exhaust ventilation system, ventilated balance enclosure or work in a chemical fume hood where product may be airborne. Ensure compliance with applicable exposure limits.
Eye Protection	Wear safety glasses with side shields as a minimum level of protection. If splash or splatter is possible, wear chemical/splash resistant safety goggles and or face shield. Emergency eye wash station and quick drench shower should be provided in the immediate work area.
Clothing	No special clothing needed.
Gloves	Wear appropriate chemical resistant gloves for type of exposure.
Respirator	Under normal handling, respiratory protection is not required. For unknown concentrations or IDLH atmospheres wear self-contained breathing apparatus or supplied air with escape bottle.

Section 9 - Physical & Chemical Properties

Live Cell Blocking Buffer	
Physical State	Liquid
Color	Clear
Odor	None
Boiling Point	~212F, 100C
Freezing Point	~32F, 0C
Vapor Pressure	NA
Vapor Density (air = 1)	NA
Specific Gravity (water = 1)	~1.0
pH	~7

Section 10 - Reactivity

Stability	Stable at standard temperatures and pressure.
Conditions to avoid	Avoid heating above boiling point and below freezing
Incompatible	Strong acids, aluminum and steel
Hazards Decomposition	Thermal decomposition may produce toxic gases.
Polymerization	Hazardous polymerization will not occur.

Section 11 - Toxicological Information

Blocking Buffer	
Irritation Data	No data available
Toxicity Data	No data available
Local Effects	No data available
Slightly Toxic	No data available
Moderately Toxic	No data available
Target Organs	No data available
Additional Toxicological Information	To the best of our knowledge the acute and chronic toxicity of this solution is not fully known. It is therefore encouraged to use caution when handling this product as its toxicity is not well characterized.

Section 12 - Ecological Information

Do not allow material to be released to the environment (ground, air or water bodies)

Section 13 - Transportation Information

U.S. DOT	No classification assigned
Canadian Transportation of Dangerous Goods	No classification assigned
Land Transport ADR/RID	No classification assigned
Air Transport IATA/ICAO	No classification assigned
Exceptions	No classification assigned

Section 14 - Disposal

Dispose in accordance with all applicable local, state and federal regulations.

Section 15 - Regulatory Information

US Regulations

CERCLA: not regulated
SARA Title III, sec. 302, 304: not regulated
SARA Title III, Section 311/312
Acute: no
Chronic: no
Fire: No
Reactive: No
Sudden Release: No
US Inventory (TSCA) listed: no

Canadian Regulations

WHMIS Classification: Not available

European Regulations

Hazard Code: Xi

EC Risk Phrases

R36

EC Safety Statement

S26

Section 16 - Other Information

The above information is believed to be correct but does not claim to be all inclusive and shall be used only as a guide. Evident Technologies shall not be held liable for any damage resulting from handling or from contact with the above product. See packing slip for additional terms and conditions of sale.

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