



# Safety Data Sheet

Cat. # 786-195

BLOK™ BSA in PBS [10X]

Size: 125ml





# BLOK BSA in PBS (10X)

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 03/16/2016

Revision date: 05/11/2017

Version: 7.1

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
Product name : BLOK BSA in PBS (10X)  
Product code : 089B

#### 1.2. Recommended use and restrictions on use

Use of the substance/mixture : Research and development

#### 1.3. Supplier

Geno Technology, Inc./ G-Biosciences  
9800 Page Avenue  
Saint Louis, 63132-1429 - United States  
T 800-628-7730 - F 314-991-1504  
[technical@GBiosciences.com](mailto:technical@GBiosciences.com) - [www.GBiosciences.com](http://www.GBiosciences.com)

#### 1.4. Emergency telephone number

Emergency number : Chemtrec **1-800-424-9300** (USA/Canada), **+1-703-527-3887** (Intl)

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

##### GHS US classification

Not classified

#### 2.2. GHS Label elements, including precautionary statements

##### GHS US labeling

No labeling applicable

#### 2.3. Other hazards which do not result in classification

No additional information available

#### 2.4. Unknown acute toxicity (GHS US)

Not applicable

### SECTION 3: Composition/Information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

Name	Common Name (Synonyms)	Product identifier	%	GHS US classification
Deionized water		(CAS-No.) 7732-18-5	> 81	Not classified
BSA Fraction V	Bovine albumin, BSA	(CAS-No.) 9048-46-8	< 15	Not classified

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Name	Common Name (Synonyms)	Product identifier	%	GHS US classification
disodium hydrogenorthophosphate	ACETEST / anhydrous sodium acid phosphate / dibasic sodium phosphate / disodium acid phosphate / disodium acid phosphate, anhydrous / disodium hydrogen phosphate / disodium hydrogenorthophosphate / disodium hydrophosphate, anhydrous / disodium monohydrogen phosphate / disodium orthophosphate / disodium orthophosphate, anhydrous / disodium phosphate / disodium phosphate, anhydrous / disodium phosphoric acid / disodium phosphoric acid, anhydrous / DSP (=disodium phosphate) / DSP (=disodium phosphate), anhydrous / E339(b) food grade / exsiccated sodium phosphate / fema number 2398 / phosphate of soda / phosphoric acid disodium salt, anhydrous / phosphoric acid, disodium salt / secondary-sodium phosphate / secondary-sodium phosphate, anhydrous / secondary-sodiumorthophosphate, anhydrous / sec-sodium phosphate / soda phosphate / sodium hydrogen phosphate / sodium monohydrogen orthophosphate, anhydrous / sodium monohydrogen phosphate / sodium orthophosphate, mono-H / sodium orthophosphate, secondary- / sodium phosphate, dibasic / sodium phosphate, dibasic, anhydrous / sodium phosphate, exsiccated, anhydrous	(CAS-No.) 7558-79-4	< 2	Not classified
sodium chloride	AKZO,BROXO 6/15 / AXAL / BRINE / BROXO 6/15 / common salt / dendritis / evaporated / extra fine 200 salt / extra fine 325 salt / halite / HG blending / iron-fighter salt / purex / purified brine / road salt / rock salt / saline / salt / sea salt / sodium chloride / sodium chloride (NaCl) / solar salt / solsel / sterling (=sodium chloride) / table salt / top flake / USP sodiumchloride / vacuum salt, electrolysis quality / white crystal	(CAS-No.) 7647-14-5	<= 2	Not classified

Full text of hazard classes and H-statements : see section 16

### SECTION 4: First-aid measures

#### 4.1. Description of first aid measures

- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
- First-aid measures after skin contact : Wash skin with plenty of water.
- First-aid measures after eye contact : Rinse eyes with water as a precaution.
- First-aid measures after ingestion : Call a poison center/doctor/physician if you feel unwell.

#### 4.2. Most important symptoms and effects (acute and delayed)

No additional information available

#### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

### SECTION 5: Fire-fighting measures

#### 5.1. Suitable (and unsuitable) extinguishing media

- Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

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### 5.2. Specific hazards arising from the chemical

No additional information available

### 5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area.

#### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material.  
Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.  
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

<b>BLOK BSA in PBS (10X)</b>
No additional information available
<b>Deionized water (7732-18-5)</b>
No additional information available
<b>BSA Fraction V (9048-46-8)</b>
No additional information available
<b>disodium hydrogenorthophosphate (7558-79-4)</b>
No additional information available
<b>sodium chloride (7647-14-5)</b>
No additional information available

### 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.  
Environmental exposure controls : Avoid release to the environment.

### 8.3. Individual protection measures/Personal protective equipment

#### Hand protection:

Protective gloves

#### Eye protection:

Safety glasses

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### Skin and body protection:

Wear suitable protective clothing

### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Color	: Light brown to yellow
Odor	: No data available
Odor threshold	: No data available
pH	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Not applicable.
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Hazardous decomposition products.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified

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Acute toxicity (inhalation) : Not classified

<b>disodium hydrogenorthophosphate (7558-79-4)</b>	
LD50 oral rat	17000 mg/kg (Rat, Oral)
LD50 dermal rat	> 7940 mg/kg (Rat, Dermal)
ATE US (oral)	17000 mg/kg body weight

<b>sodium chloride (7647-14-5)</b>	
LD50 oral rat	> 3980 mg/kg body weight (Rat, Experimental value, 20% aqueous solution, Oral)
LD50 dermal rabbit	> 10000 mg/kg (Rabbit, Experimental value, Dermal)
LC50 inhalation rat (mg/l)	> 42 mg/l air (1 h, Rat, Male, Experimental value, 20% aqueous solution, Inhalation (aerosol))

Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Not classified

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity – single exposure : Not classified

Specific target organ toxicity – repeated exposure : Not classified

Aspiration hazard : Not classified

Viscosity, kinematic : No data available

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

<b>disodium hydrogenorthophosphate (7558-79-4)</b>	
LC50 fish 1	> 2400 mg/l (OECD 203: Fish, Acute Toxicity Test, 48 h, Leuciscus idus)

<b>sodium chloride (7647-14-5)</b>	
LC50 fish 1	5840 mg/l (ASTM, 96 h, Lepomis macrochirus, Flow-through system, Fresh water, Experimental value)

### 12.2. Persistence and degradability

<b>BSA Fraction V (9048-46-8)</b>	
Persistence and degradability	Readily biodegradable in water.

<b>disodium hydrogenorthophosphate (7558-79-4)</b>	
Persistence and degradability	Biodegradability: not applicable.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable

<b>sodium chloride (7647-14-5)</b>	
Persistence and degradability	Biodegradability: not applicable.
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable

### 12.3. Bioaccumulative potential

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<b>disodium hydrogenorthophosphate (7558-79-4)</b>	
Bioaccumulative potential	Not bioaccumulative.
<b>sodium chloride (7647-14-5)</b>	
Log Pow	-3 (Calculated)
Bioaccumulative potential	Not bioaccumulative.

### 12.4. Mobility in soil

<b>sodium chloride (7647-14-5)</b>	
Surface tension	73.03 mN/m (23 °C, 14.5 g/l)
Ecology - soil	No (test)data on mobility of the substance available.

### 12.5. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Waste treatment methods : Waste treatment methods.

## SECTION 14: Transport information

### Department of Transportation (DOT)

In accordance with DOT

Other information : No supplementary information available.

### Transportation of Dangerous Goods

### Transport by sea

### Air transport

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

<b>Deionized water (7732-18-5)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>BSA Fraction V (9048-46-8)</b>	
Not listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>disodium hydrogenorthophosphate (7558-79-4)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Not subject to reporting requirements of the United States SARA Section 313	
CERCLA RQ	5000 lb
<b>sodium chloride (7647-14-5)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

### 15.2. International regulations

#### CANADA

<b>Deionized water (7732-18-5)</b>	
Listed on the Canadian DSL (Domestic Substances List)	
<b>disodium hydrogenorthophosphate (7558-79-4)</b>	
Listed on the Canadian DSL (Domestic Substances List)	

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<b>sodium chloride (7647-14-5)</b>
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Listed on the Canadian DSL (Domestic Substances List)
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### EU-Regulations

#### National regulations

No additional information available

### 15.3. US State regulations

## SECTION 16: Other information

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Revision date : 05/11/2017

SDS US (GHS HazCom 2012)

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*