

# Material Safety Data Sheet

Version GHS 5.1  
Revision date : 1/22/2018

## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name** : West-EZier Super Blocking Buffer for Phospho-Specific  
**Product Cat No** : W3701  
**CAS No** : None  
**Manufacturer/Supplier** : GenDEPOT LLC  
PO Box 454  
Barker, Tx 77413  
Emergency Phone : 866.417.0078  
Fax : 281-579-6876

## 2. HAZARD IDENTIFICATION

### Emergency Overview

#### OSHA Hazards

Mild skin irritant, mild eye irritant, harmful, harmful if swallowed, risk of serious damage to eyes, delayed target organ effects

#### Target Organs

Eyes, Skin , Respiratory Organ

#### GHS Classification

Skin Sensitizer , Respiratory Sensitizer , Skin Irritant,  
Eye Irritant 2

#### GHS Label elements, including precautionary statements

Pictogram N/A

Signal word N/A

#### Hazard statement (s)

H317 - May cause an allergic skin reaction  
H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled  
H315 - Causes skin irritation  
H319 - Causes serious eye irritation  
H335 - May cause respiratory irritation

#### Precautionary statement (s)

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray P280 - Wear protective gloves/protective clothing/eye protection/face protection. - IF ON SKIN: Wash with plenty of soap and water P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

#### HIMS Rating:

Health hazard : 0  
Chronic Health Hazard : \*  
Flammability : 0  
Physical hazards: 0

#### NFPA Rating:

Health Hazard: 0  
Fire: 0  
Reactivity Hazard: 0

#### Potential Health Effects

Inhalation : May be harmful if inhaled, Causes respiratory tract irritation  
Skin : May be harmful if absorbed through skin. Cause skin irritation  
Eyes : Causes eye irritation  
Ingestion : May be harmful if swallowed.

## 3. COMPOSITION/INFORMATION ON INGREDIENT

**Synonyms:** West-EZier Super Blocking Buffer for Phospho-specific antibody

Component	Classification	Concentration
Tris hydroxymethyl aminomethane		
CAS-NO. 77-86-1 EC-NO . 201-064-4		1-15%
Brij-35		
CAS-NO. 9002-92-0 EC-NO . 500-002-6		<0.1%
Mixture of 5-Chloro-2-methyl-4-isothiazolin-3-one and 2-Methyl-2H -isothiazol-3-one (3:1)		
CAS-NO. 55965-84-9 EC-NO . 247-500-7 220-239-6	T;R23/24/25 C;R34 /R 43 N; R50-53	< 0.1%
Sodium Fluoride		
CAS-NO. 7681-49-4 EC-NO . 231-667-8		< 0.1%

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

## 4. FIRST AID MEASURES

**General advice:** Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

**Inhalation:** If breathed in, move person into fresh air.  
If not breathing, give artificial respiration. Consult a physician.

**In case of skin contact:** Wash off with soap and plenty of water.  
Consult a physician.

**In case of eye contact :** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**If swallowed :** Do not induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician

## 5. FIREFIGHTING MEASURES

**Suitable extinguishing media:** For small (incipient) fires, use media such as "alcohol" foam, dry chemical, or carbon dioxide. For large fires, apply water from as far as possible. Use very large quantities (flooding) of water applied as a mist or spray; solid streams of water may be ineffective. Cool all affected containers with flooding quantities of water.

**Special protective equipment for firefighters:** Wear self contained breathing apparatus for fire fighting if necessary.

**Hazardous combustion products:** Nitrogen oxides (NOx).

**Further information:** Use water spray to cool unopened containers.

## 6 . ACCIDENTAL RELEASE MEASURES

**Personal precaution:** Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

**Environmental precaution:** Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

**Methods and materials for contaminant and cleaning up:** Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13). Keep in suitable, closed containers for disposal.

## 7 . HANDLING AND STORAGE

**Precaution for safe handling:** Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.

**Condition for safe storage:** Keep container tightly closed in a dry and well-ventilated place.

Recommended storage temperature: 2-8 °C

## 8 . EXPOSURE CONTROLS/PERSONAL PROTECTION

**Personal protective equipment:** .

**Respiratory protection:** Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Hand protection:** Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

**Eye protection:** Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Skin and body protection:** Impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Complete suit protecting against chemicals.

**Hygiene measures:** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

## 9 . PHYSICAL AND CHEMICAL PROPERTIES

### Appearance:

Form	Clear liquid
Colour	Colorless

### Safety data:

pH	no data available
Melting point	no data available
Freezing point	no data available
Boiling point	no data available
Flash point	no data available
Ignition temperature	no data available
Auto-ignition temperature	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Vapour pressure	no data available
Density	no data available
Water solubility	Easily soluble in water
Partition coefficient: n-octanol/water	no data available
Relative vapor density	no date available
Odor	Odorless
Odor threshold	no data available
Evaporation rate	no data available

## 10 . STABILITY AND REACTIVITY

### Chemical stability

Stable under recommended storage conditions.

### Possibility of hazardous reactions

no data available.

### Condition to avoid

Heat, flames and sparks.

### Materials to avoid

no data available.

### Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Nitric Oxides. Other decomposition products - no data available

## 11 . TOXICOLOGICAL INFORMATON

### Acute Toxicity

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Tris hydroxymethyl aminomethane	5900 mg/kg (Rat)		
Mixture, 3(2H)-isothiazolone, 5-chloro-2-methyl- with 2-methyl-3(2H)-isothiazolone	53 mg/kg (Rat)	1008 mg/kg (Rat)	1.23 mg/L (Rat) 4h
Brij-35	1000 mg/kg (Rat)		
Sodium Fluoride	31 mg/kg (Rat)		

### Skin corrosion/irritation

no data available

### Serious eye damage/eye irritation

no data available

### Respiratory or skin sensitization

no data available

### Mutagenicity (Germ cell mutagenicity)

No known effect based on information supplied

### Carcinogenicity

This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification.

### Reproductive toxicity

no data available

### Teratogenicity

no data available

### Specific target organ toxicity— single exposure (GHS)

no data available

### Specific target organ toxicity— repeated exposure (GHS)

no data available

### Aspiration hazard

no data available

### Potential health effects

**Inhalation** May be harmful if inhaled. Causes respiratory tract irritation.  
**Ingestion** May be harmful if swallowed.  
**Skin** May be harmful if absorbed through skin. Causes skin irritation.  
**Eyes** Causes eye irritation  
**Aggravated Medical Condition** no data available

### Synergistic effects

no data available

### Additional information

RTECS : not available

## 12 . ECOLOGICAL INFORMATION

Chemical Name	Toxicity to Fish	Toxicity to Algae
Tris hydroxymethyl amino-methane	5900 mg/kg (Rat)	
Mixture, 3(2H)-isothiazolone, 5-chloro-2-methyl- with 2-methyl-3(2H)-isothiazolone	LC50=1.6 mg/L Oncorhynchus mykiss 96h	EC50 0.11-0.16 mg/L 72h EC50 0.03-0.13 mg/L 96h EC50 0.31 mg/L 120h
Sodium Fluoride	LC50=2000 mg/L Oncorhynchus mykiss 96h LC50= 500 mg/L Cyprinodon variegatus 96h	

### Persistence and degradability

no data available

### Bioaccumulative potential

no data available

### Mobility in soil

no data available

### PBT and vPvB assessment

no data available

### Other adverse effect

no data available

## 13 . DISPOSAL CONSIDERATIONS

### Product

This combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

### Contaminated packaging

Dispose of as unused product.

**14 . TRANSPORT INFORMATION****DOT(US)**

UN Number	Not regulated
Proper shipping name	-
Glass	-
Packing group	-

**IMDG**

Not dangerous goods

**IATA**

Not dangerous goods

**15 . REGULATORY INFORMATION****United States**

HCS Classification :  
Target organ effects

TSCA 8(a) IUR exempt/Partial exemption : not determined  
United States Inventory (TSCA 8b) : not determined  
SARA 302/304/311/312 extremely hazardous substances :  
No products were found

SARA 302/304 emergency planning and notification:  
No products were found

SARA 302/304/311/312 hazardous chemicals : Dimethyl sulfoxide  
SARA 311/312 Hazard Identification  
Sodium Fluoride ; Acute Health Hazard, Chronic Health Hazard

Clean Air Act Section 112(b) : not listed  
Hazardous air pollutants (HAPs)

Clean Air Act Section 602 : not listed  
Class I substances

Clean Air Act Section 602 : not listed  
Class II substances

DEA List I Chemicals : not listed  
(Precursor chemicals)

DEA List II Chemicals : not listed  
(Essential chemicals)

**States Regulation**

Massachusetts : Sodium Fluoride CAS No 7681-49-4  
New York : None of the components are listed  
New Jersey : The following components are listed  
Sodium Fluoride CAS No 7681-49-4

Mixture of 5-Chloro-2-methyl-4-isothiazolin  
-3-one and 2-Methyl-2H -isothiazol-3-one (3:1)  
CAS No 55965-84-9

Pennsylvania : Sodium Fluoride CAS No 7681-49-4  
California Prop. 65 Components :  
This product does not contain any chemicals known to State of California to  
cause cancer, birth defects, or any other reproductive harm.

**Canada**

WHMIS (Canada) : Not determined

Canadian lists  
Canadian NPRI : None of the components are listed  
CEPA Toxic substances : None of the components are listed

Canada inventory : Not determined

**International Regulation**

Australia (AICS) :	Not determined
China Inventory (IECSC) :	Not determined
Japan Inventory :	Not determined
Korea Inventory :	Not determined
New Zealand Inventory of Chemicals (NZIoC) :	Not determined
Philippines Inventory (PICCS) :	Not determined

**16 . OTHER INFORMATION****HIMS Rating:**

Health hazard :	2
Chronic Health Hazard :	*
Flammability :	0
Physical hazards:	0

**NFPA Rating:**

Health Hazard:	2
Fire:	0
Reactivity Hazard:	0

This compound is sold only for research use by personnel familiar chemicals and who are well trained in good laboratory habits, such as avoiding spills, keeping hands clean at all times and no rubbing eyes with working in the laboratory.

This solution is sold only in microliter quantities for use in life sciences research. No other use is intended. And any other use may involve substantive hazards.

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When the revision of this MSDS is received, please dispose of the old one.

Department issuing MSDS:  
GenDEPOT LLC  
Safety Department