



## Material Safety Data Sheet

**Product Category:** ELISA/ELISPOT Coating Buffer Powder  
**Revision date:** December 2010  
**Emergency telephone number:**  
Center for Disease Control: (404) 633-5313

### 1. IDENTIFICATION OF SUPPLIER / SUBSTANCE

eBioscience 888-810-6168  
10255 Science Center Drive.  
San Diego, CA  
92121  
USA

### 2. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** White powder  
**Physical State:** Powder  
**Color:** White  
**Odor:** None  
**Flash Point:** Not applicable  
**Auto igniting:** Product is not self-igniting.

### 3. HAZARDS IDENTIFICATION

**General Hazard Information:** May cause sensitization by skin contact.

**Most Important Hazards:**  
Applicable Risk Phases: R22: Harmful if swallowed  
R36: Irritating to eyes  
R37: Irritating to respiratory system  
R38: Irritating to skin

**NFPA Rating:** Health = 0  
(Scale 0-4) Fire = 0  
Reactivity = 0

**Physical/Health Effects:**

May be harmful if exposed by ingestion, or cause eye/skin irritation.

**Principle routes of exposure:**

Oral:	Unknown on product.
Eye contact:	May cause eye/skin irritation.
Skin contact:	May cause eye/skin irritation.
Ingestion:	Unknown on product.
Inhalation:	Unknown

**Carcinogenicity Rating:**

Component(s)	CAS Number	NTP:	IARC:	California Proposition 65 List
N/A	N/A	N/A	N/A	N/A

**Signs and Symptoms:** None known

**Medical Conditions Aggravated by Exposure:** None known

**4. COMPOSITION / COMPONENT INFORMATION**

Components	CAS Number	Weight %	(TWA-8 hr)	(STEL):	(Ceiling Limit Value):	PBOEL
N/A	N/A	N/A	N/A	N/A	N/A	N/A

**Exposure Limits:** None known

**5. FIRST AID MEASURES**

<b>Eye Contact:</b>	Rinse immediately with plenty of water for several minutes and seek medical attention.
<b>Ingestion:</b>	Seek medical attention immediately and show the label.
<b>Inhalation:</b>	N/A
<b>Skin Contact:</b>	Seek medical attention if symptoms of skin irritation appear.
<b>Protection of First-Aid Providers</b>	Wear suitable gloves and eye/face protection.

## 6. FIRE-FIGHTING MEASURES

<b>Suitable Extinguishing Media:</b>	Use an extinguishing media suitable for the surrounding fire.
<b>Extinguishing media which must not be used for safety reasons:</b>	None
<b>Special Protective Equipment for Firefighters:</b>	Self-contained breathing apparatus and protective suit.
<b>Specific Hazards:</b>	None
<b>Hazardous Combustion Products:</b>	None
<b>Explosion Limits:</b>	
Lower:	N/A
Upper:	N/A

## 7. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions:</b>	Ensure adequate ventilation.
<b>Environmental Precautions:</b>	Waste disposal must be in accordance with appropriate US, Federal, State and International regulations. Dilute with plenty of water.
<b>Methods for Clean-Up:</b>	Wipe up with adsorbent material. Place in suitable container for prompt disposal.

## 8. HANDLING AND STORAGE

### Handling

Technical Measures/Precautions:	Wear protective safety glasses, gloves and clothing. Wear disposable gloves while handling reagent. Thoroughly wash hands afterwards.
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### Storage

Technical Measures/Storage Conditions:	Store at room temperature.
Incompatible Products:	Not known

## 9. EXPOSURE CONTROL/PERSONAL PROTECTION

**Exposure Limits:****Engineering controls:****Personal Protective Equipment:**

Eye Protection:

Hand Protection:

Skin and Body Protection

**Respiratory Protection:****Other General Precautions:**

None known

Ensure Adequate Ventilation

Wear Safety Glasses

Wear Disposable Gloves. Thoroughly wash hands.

Wear Suitable Protective Clothing, Gloves and Eye/Face Protection.

None Required

None Required

**10. STABILITY AND REACTIVITY****Chemical Stability:****Hazardous Polymerization:****Hazardous Decomposition Products:****Materials to Avoid:****Conditions to Avoid:**

Stable under recommended storage conditions.

Does not occur.

None known.

No data available.

Keep away from heat and source of ignition.

**11. TOXICOLOGICAL INFORMATION**

The toxicological properties of this product have not been fully investigated.

**Acute effects**

Oral:

Eye irritation:

Skin irritation:

Inhalation:

Irritant when ingested.

Irritant when in contact with eyes.

Irritant when in contact with skin.

No data available.

**Chronic effects**

Oral:

Inhalation:

Dermal:

No data available.

No data available.

No data available.

**12. ECOLOGICAL INFORMATION****Eco-Toxicity Effects:**

Aquatic Toxicity Effects:

This product has no known ecologically toxic effects.

Harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

Mobility:

Persistence/degradability:

Bioaccumulation:

Degradation:

No data available.

No data available.

No data available.

No data available.

### 13. DISPOSAL CONSIDERATIONS

- Waste from Residual/Unused Products:** Waste disposal must be in accordance with appropriate US, Federal, State and International regulations.
- Contaminated Packaging:** Waste disposal must be in accordance with appropriate US, Federal, State and International regulations.
- Methods for Clean-Up:** Wipe up with adsorbent material. Place in suitable container for prompt disposal.

### 14. TRANSPORT INFORMATION

Product not regulated by DOT, IATA/ICAO, IMO/IMDG, ADR/RID, or TDG.

### 15. REGULATORY INFORMATION

**Indication of Danger:**

**List applicable R-Phrases**

- R22: Harmful if swallowed
- R36: Irritating to eyes
- R37: Irritating to respiratory system
- R38: Irritating to skin

**List applicable S- Phrases**

- S24: Avoid contact with skin
- S25: Avoid contact with eyes
- S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

**SARA (311,312) Hazard Class**

- |   |       |
|---|-------|
| <b>Immediate Health:</b>                  | None. |
| <b>Delayed Health:</b>                    | None. |
| <b>Fire:</b>                              | None. |
| <b>Sudden Release of Pressure Hazard:</b> | None. |
| <b>Reactivity:</b>                        | None. |

**TSCA inventory List:** Listed under TSCA: Not listed

**WHMIS**

- |                            |            |
|----------------------------|------------|
| <b>WHMIS Trade Secret:</b> | None.      |
| <b>WHMIS Hazard Class:</b> | Not listed |

**Canada DSL Inventory List:**

Listed on DSL: Not listed

**Notes:**

1. SARA= Superfund Amendments and the Reauthorization Act.
2. CERCLA= Comprehensive Environmental Response, Compensations and Liability Act.
3. FIFRA= Federal Insecticide, Fungicide and Rodenticide Act.
4. TSCA= Toxic Substance Control Act.
5. WHMIS=Canadian Workplace Hazardous Material Information System.
6. This product has been classified in accordance with the hazards criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

**16. OTHER INFORMATION**

**This data sheet contains changes from the previous version in section(s):**

**Additional Advice:**

None

**Literary Reference:**

None

**MSDS Formats:**

North American Format- U.S. and Canada  
This Material Safety Data Sheet was prepared in accordance with OSHA 29 CFR 1910.1200.

European Format  
This material Data Sheet was prepared in accordance with 93/112/EEC.

**Test of R Phrases**

Unknown

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