

# Safety Data Sheet



Revision Date: 6/30/2014

TrueBlue Peroxidase Substrate

SDS #: SDS-10145-02

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product Description:	Product Code
TrueBlue Peroxidase Substrate	37-01-09-03
TrueBlue Peroxidase Substrate	71-00-68
TrueBlue Peroxidase Substrate	71-00-67
TrueBlue Peroxidase Substrate	71-00-66
TrueBlue Peroxidase Substrate	71-00-65
TrueBlue Peroxidase Substrate	71-00-64
TrueBlue Peroxidase Substrate	50-78-02
TrueBlue Peroxidase Substrate	37-01-54

### Hazardous Reagent

None

### Hazardous Reagent Product code

None

**Recommended Use** Reagent

**Contact Manufacturer** KPL, Inc.  
910 Clopper Road  
Gaithersburg, Maryland 20878  
USA

**Phone #:** 1-301-948-7755

**Fax #:** 1-301-948-0169

**Web:** www.kpl.com

**Email:** kplmsds@seracare.com

### Emergency Telephone Numbers:

AUSTRALIA – POISONS INFORMATION CENTER	Telephone: 13 11 26	Hours: 24 hours
CANADIAN TRANSPORT EMERGENCY CENTER	Telephone: (1 ) 613 996 6666	Hours: 24 hours/day, 7 days/week
UK – THE NATIONAL FOCUS	Telephone: (44) 029 2041 6388	Hours: 09:00-17:00 GMT
USA- NATIONAL RESPONSE CENTER	Telephone: (1 ) 800 424 8802	Hours: 24 hours/day, 7 days/week

**CHEMTREC:** CHEMTREC Customer Number:- CCN12505\*  
For Chemical Emergency Spill, Leak, Fire, Exposure, or Accident  
Call CHEMTREC Day or Night  
Within USA and Canada: 1-800-424-9300 CCN12505 or  
+1 703-527-3887 (collect calls accepted)

## 2. HAZARD IDENTIFICATION

**Hazard Type** GHS Classification in accordance with 29 CFR 1910 (OSHA HCS): The product contains no substances which at their given concentration, are considered to be hazardous to health or the environment.

**Principle Route of Exposure** Not Applicable

**Acute Effects: Eye:** Not Applicable

SDS #: SDS-10145-02

Acute Effects: Skin: Not Applicable  
 Acute Effects: Inhalation: Not Applicable  
 Acute Effects: Ingestion: Not Applicable  
 Chronic Effects: Not Applicable  
 Additional Information Not Applicable

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CHEMICAL</u>	<u>% Weight</u>	<u>CAS #:</u>
TrueBlue Peroxidase Substrate	Dimethyl Sulfoxide	1%	67-68-5
	1,2,6-Hexantriol	1%	106-69-4

**GHS Classification** Not Applicable:  
 The product contains no substances which at their given concentration, are considered to be hazardous to health or the environment as per:  
 GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)  
 Regulation (EC) No 1272/2008

### 4. FIRST AID MEASURES

**General Advice** Wash contaminated clothing before reuse.  
**Oral Exposure** Rinse mouth  
**Inhalation Exposure** Not Applicable  
**Skin Exposure** Rinse with copious amounts of water  
**Eye Exposure** Rinse with copious amounts of water

### 5. FIRE FIGHTING MEASURES

**Extinguishing media** Use extinguishing media appropriate for surrounding fire.  
**Unusual Fire and Explosive Hazards** Not Applicable  
**Flash Point** Not Applicable  
**Autoignition Temperature** Not Applicable  
**Flammability Statement** Not Applicable  
**Specific hazards arising from the chemical** Not Applicable  
**Protective equipment and precautions for firefighters** In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

### 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions** Avoid contact with skin, eyes and clothing.  
**Environmental Precautions** Not Applicable  
**Method of Containment** Containment of spills requires no special equipment or procedures.

SDS #: SDS-10145-02

**Methods of Clean-up** Clean up of spills requires no special equipment or procedures. Clean with copious amounts of water.

**Other Information** Not Applicable

## 7. HANDLING AND STORAGE

**Handling:** Handle in accordance with good industrial hygiene and safety practice.

**Storage:** Store at room temperature. Separated from strong oxidants.

## 8. EXPOSURE CONTROL

**Respiratory Protection** None required if good ventilation is maintained. Otherwise wear MSHA/NIOSH approved respirator suitable for vapor or mist concentrations encountered.

**Eye Protection** Safety goggles.

**Skin Protection** Protective gloves. Protective clothing.

**Ingestion** Do not eat, drink, or smoke during work.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance** May appear clear, light blue to light yellow/orange.

**Physical State** Liquid

**Odor** Not Applicable

**Odor Threshold** Not Applicable

**pH** 5.35 - 5.65

**Boiling Point** Not Available

**Evaporation Rate** Not Applicable

**Vapor Density** Not Applicable

**Vapor Pressure** Not Applicable

**Relative Density** Not Available

**Auto-Ignition Temperature** Not Applicable

**Water Solubility** Dilutable

**Flammability** Not Applicable

**Flash Point** Not Applicable

**Viscosity** Not Applicable

**Oxidizing Properties** Not Applicable

**Explosive Properties** Not Applicable

**Additional Parameters** See Datasheet for product specific information.

## 10. STABILITY AND REACTIVITY

**Chemical Stability** Stable under normal conditions

**Conditions to avoid** Not Available

**Incompatibility Materials to Avoid** Other strong oxidizing agents, acid chlorides, acid anhydrides.

**Hazardous Decomposition Products** May produce highly irritating fumes including maleic anhydride.

**Hazardous Polymerization** Will not occur

**Possibility of hazardous reactions** Not Applicable

## 11. TOXICOLOGY MEASURES

### Acute Toxicity

The toxicological risks are minor due to the low concentration of hazardous ingredients. The following toxicological information is for the hazardous ingredient in pure form.

<b>LD50 Oral</b>	Not Available
<b>LD50 Dermal</b>	Not Available
<b>LC50 Inhalation</b>	Not Available

### Chronic Toxicity

<b>Carcinogenicity</b>	Not Available
<b>Irritation</b>	Not Available
<b>Corrosivity</b>	Not Available
<b>Sensitization</b>	Not Available
<b>Neurological Effects</b>	Not Available
<b>Mutagenic Effects</b>	Not Available
<b>Reproductive Effects</b>	Not Available
<b>Developmental Effects</b>	Not Available
<b>Target Organ Effects</b>	Not Available
<b>Other adverse effects</b>	Not Available

## 12. ECOLOGICAL MEASURES

<b>Ecotoxicity</b>	Not Applicable
<b>Persistence/Degradability</b>	Not Applicable
<b>Mobility in Environmental Media</b>	Not Available
<b>Bioaccumulation/Accumulation</b>	Not Applicable

## 13. DISPOSAL MEASURES

<b>Waste Disposal Method:</b>	Normal disposal with copious amounts of water. Observe all Federal, State and Local environmental regulations.
<b>Contaminated Packaging:</b>	Avoid contact with skin and clothing. Place contaminated packaging in a break proof outer vessel and dispose on in compliance with national and local regulations.
<b>US EPA Waste Number:</b>	Not Applicable

## 14. TRANSPORTATION MEASURES

<b>DOT:</b>	Not Available
<b>IATA:</b>	Not Available
<b>ADR (road)/ RID (rail):</b>	Not Available
<b>IMDG (sea):</b>	Not Available
<b>General Transport Regulations</b>	Not Applicable

## 15. REGULATORY MEASURES

**This product is a mixture that may contain one or more hazardous chemicals. The hazardous ingredients listed are only those as required by 29 CFR 1910.1200 (OSHA HCS).**

### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains no chemical or chemicals which are subject to the reporting requirements of the Act and and Title 40n of the Code of Federal Regulations, Part 372.

### **Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (See 40 CFR 61)**

Not Listed

### **State Regulations**

#### **California Proposition 65:**

This product contains the following Proposition 65 chemicals: Not Listed

### **State Right to Know Act**

Chemical Name	Dimethyl Sulfoxide	1,2,6-Hexantriol
Massachusetts	Not Listed	Not Listed
New Jersey	Listed	Not Listed
Pennsylvania	Not Listed	Not Listed
New York	Not Listed	Not Listed
Rhode Island	Not Listed	Not Listed

### **International Inventories**

Chemical Name	Dimethyl Sulfoxide	1,2,6-Hexantriol
TSCA	Listed	Listed
DSL	Listed	Not Listed
NDSL	Not Listed	Listed
EINECS	Listed	Listed
CHINA	Listed	Listed
KECL	Listed	Listed
JAPAN:	Listed	Listed
AICS	Listed	Listed

### **EU Regulations**

<b>Annex I Index#</b>	Not Applicable
<b>Classification</b>	Not Applicable: The product contains no substances which at their given concentration, are considered to be hazardous to health or the environment as per: GHS Classification in accordance with 29 CFR 1910 (OSHA HCS) Regulation (EC) No 1272/2008
<b>Risk Phrases</b>	Not Applicable
<b>Safety Phrases</b>	Not Applicable
<b>Symbols and Indications of Danger</b>	Not Applicable
<b>Specific Concentration Limits</b>	Not Applicable

SDS #: SDS-10145-02

**Export and Import**

This substance is not listed in the Annex I of Regulation (EC) No 649/2012.

**European Priority List**

This substance is not listed in a priority list (as foreseen under Council Regulation (EEC) No 793/93 on the evaluation and control of the risks of existing substances.).

**16. OTHER INFORMATION**

The above information is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide. KPL shall not be held liable for any damage resulting from handling or from contact with the above product. Users should make their own investigations to determine the suitability of the information for their particular purposes. This material is sold for research purposes and is intended as laboratory reagents only. It is not intended for food, drug, household, agricultural or cosmetic use. Its use must be supervised by a technically qualified individual experienced in handling potentially hazardous chemicals.

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