



# Safety Data Sheet

KPL SureBlue Reserve™ TMB Microwell Peroxidase Substrate (1-Component)

SDS-10122

Rev. Number: 4

Rev. Date: Nov 7, 2017

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product Description:	Product Code
KPL SureBlue™ Reserve TMB Microwell Peroxidase Substrate (1-Component)	5120-0084 (53-00-04)
	5120-0083 (53-00-03)
	5120-0082 (53-00-02)
	5120-0081 (53-00-01)
	5120-0080 (53-00-00)
	5120-0026 (37-01-48)
	5120-0086 (SPL-SBR)
	5120-0087

### Hazardous Reagent

Not Available

### Hazardous Reagent Product code

Not Available

### Recommended Use:

Reagent

### Contact

### Manufacturer:

SeraCare Life Sciences  
910 Clopper Road  
Gaithersburg, MD 20878

### Phone #:

(508) 244-6400  
US Toll Free: (800) 676-1881

### Fax #:

(508) 634-3394

### Web:

www.seracare.com

### Email:

customerservice@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

<b>Hazard Type</b>	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.
<b>GHS Classification</b>	Not Applicable:
<b>Hazard Statements:</b>	Not Applicable
<b>Precautionary Statements:</b>	Not Applicable
<b>Symbols and Indications of Danger:</b>	Not Applicable
<b>Principle Route of Exposure:</b>	Avoid contact with skin; avoid indigestion
<b>Acute Effects: Eye</b>	May cause eye irritation.
<b>Acute Effects: Skin:</b>	May be harmful if absorbed through the skin. May cause skin irritation.
<b>Acute Effects: Inhalation:</b>	May be harmful if inhaled. May cause respiratory tract irritation.
<b>Acute Effects: Ingestion:</b>	May be harmful if swallowed
<b>Chronic Effects:</b>	Not Applicable
<b>Additional Information:</b>	The product contains no substances which at their given concentration, are considered to be hazardous to health.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CHEMICAL</u>	<u>% Weight</u>	<u>CAS #:</u>
SureBlue™ Reserve TMB Microwell Peroxidase Substrate (1-Component)	3,3',5,5'-tetramethylbenzidine Proprietary formulation; no other hazardous components above 1% or carcinogens above 0.1%	<0.05% <20%	54827-17-7 Proprietary

<b>GHS 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  EC# : 259-364-6   CAS# : 54827-17-7   Substance Name : 3,3',5,5'- tetramethylbenzidine  Molecular Formula : C16H20N2 - Not Classified
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## 4. FIRST AID MEASURES

<b>General Advice</b>	Wash contaminated clothing before reuse. Consult a physician if irritation persists.
<b>Oral Exposure</b>	If swallowed, consult with medical staff or poison control center to determine if any immediate response or follow-up actions are recommended. Never give anything by mouth to an unconscious person.
<b>Inhalation Exposure</b>	If inhaled, remove to fresh air. Get medical attention for any breathing difficulty.
<b>Skin Exposure</b>	In case of contact, immediately flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing. Seek medical attention if irritation develops.
<b>Eye Exposure</b>	In case of contact, wash eyes immediately with large amounts of water or normal. saline for at least 15 minutes, lifting the upper and lower lids to assure adequate flushing. Seek medical attention if irritation develops

## 5. FIRE FIGHTING MEASURES

<b>Extinguishing media:</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b>Unusual Fire and Explosive Hazards:</b>	None
<b>Flash Point:</b>	Not Applicable
<b>Auto ignition Temperature:</b>	Not Applicable
<b>Flammability Statement:</b>	Not Applicable
<b>Specific hazards arising from the chemical:</b>	Toxic gases and vapors may be released if involved in a fire.
<b>Protective equipment and precautions for firefighters:</b>	Wear full protective clothing, including self-contained breathing apparatus, if necessary. The product presents no special fire hazards in normal use.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions:</b>	Wear appropriate PPE to prevent skin contact
<b>Environmental Precautions:</b>	Prevent further leakage or spillage if safe to do so. Should not be released into the environment.
<b>Method of Containment:</b>	Collect liquid in an appropriate container or absorb with an inert material (e. g., vermiculite, dry sand, earth), and place in a chemical waste container. Do not flush to sewer.
<b>Methods of Clean-up:</b>	Clean-up of spills requires no special equipment or procedures. Clean with copious amounts of water.
<b>Other Information:</b>	Not applicable

## 7. HANDLING AND STORAGE

<b>Handling:</b>	Wear appropriate PPE to prevent skin contact
<b>Storage:</b>	Store at 2 – 8 °C. Keep lid closed tightly; protect from light and elevated temperatures.

## 8. EXPOSURE CONTROL

<b>Respiratory Protection:</b>	None required if good ventilation is maintained. Otherwise wear MSHA/NIDSH approved respirator suitable for vapor or mist concentrations encountered.
<b>Eye Protection:</b>	Safety glasses with side-shields..
<b>Skin Protection:</b>	Protective gloves; protective clothing
<b>Ingestion</b>	Do not eat, drink, or smoke while handling.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Clear to light yellow liquid
<b>Physical State:</b>	Liquid
<b>Odor:</b>	Not Available
<b>Odor Threshold:</b>	Not Available
<b>pH:</b>	3.5 - 3.9

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<b>Boiling Point:</b>	Not Available
<b>Evaporation Rate:</b>	Not Available
<b>Vapor Density:</b>	Not Available
<b>Vapor Pressure:</b>	Not Available
<b>Relative Density:</b>	Not Available
<b>Auto-Ignition Temperature:</b>	Not Available
<b>Water Solubility:</b>	Dilutable
<b>Flammability:</b>	Not flammable
<b>Flash Point:</b>	Not Available
<b>Viscosity:</b>	Not Available
<b>Oxidizing Properties:</b>	Not an oxidizer
<b>Explosive Properties:</b>	Not explosive
<b>Additional Parameters:</b>	See Datasheet/Product Insert for other Product Information.

## 10. STABILITY AND REACTIVITY

<b>Chemical Stability:</b>	Stable under recommended storage conditions.
<b>Conditions to avoid:</b>	Light; elevated temperature and moisture
<b>Incompatibility Materials to Avoid:</b>	Strong oxidizing agents and metal
<b>Hazardous Decomposition Products:</b>	Toxic fumes of carbon oxides (CO, CO <sub>2</sub> ) and nitrogen oxide.
<b>Hazardous Polymerization:</b>	Will not occur.
<b>Possibility of hazardous reactions:</b>	Not applicable.

## 11. TOXICOLOGY MEASURES

### Acute Toxicity

The toxicological properties of this material have not been investigated.

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

### Chronic Toxicity

<b>Carcinogenicity:</b>	No component of this product presents at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP, IARC, or OSHA.
<b>Irritation:</b>	May cause eye, skin and respiratory irritation.
<b>Corrosivity:</b>	Not Available
<b>Sensitization:</b>	Not Available
<b>Neurological Effects:</b>	Not Available
<b>Mutagenic Effects:</b>	Not Available

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**Reproductive Effects:** Not Available  
**Developmental Effects:** Not Available  
**Target Organ Effects:** Not Available  
**Other adverse effects:** Not Available

## 12. ECOLOGICAL MEASURES

**Ecotoxicity:** Not Available  
**Persistence/Degradability:** Not Available  
**Mobility in Environmental Media:** Not Available  
**Bioaccumulation/Accumulation:** Not Available

## 13. DISPOSAL MEASURES

**Waste Disposal Method:** Observe all Federal, State and Local environmental regulations.  
**Contaminated Packaging:** Avoid contact with skin and clothing. Observe all Federal, State and Local laws concerning health and pollution.  
**US EPA Waste Number:** Not Available

## 14. TRANSPORTATION MEASURES

**DOT:** Not regulated  
**IATA:** Not regulated  
**ADR (road)/ RID (rail):** Not regulated  
**IMDG (sea):** Not regulated  
**General Transport Regulations** Not regulated, non-hazardous for shipment

## 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 Available

### **State Regulations**

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**California Proposition 65:**

This product contains the following  
Proposition 65 chemicals      None listed

**State Right to Know Act**

<b>Chemical Name</b>	<b>3,3',5,5'- tetra- methylbenzidine</b>	<b>Proprietary formulation; no other hazardous components above 1% or carcinogens above 0.1%</b>
<b>Massachusetts:</b>	Not Listed	Not Available
<b>New Jersey:</b>	Not Listed	Not Available
<b>Pennsylvania:</b>	Not Listed	Not Available
<b>New York:</b>	Not Listed	Not Available
<b>Rhode Island:</b>	Not Listed	Not Available

**International Inventories**

<b>Chemical Name</b>	<b>3,3',5,5'- tetra- methylbenzidine</b>	<b>Proprietary formulation; no other hazardous components above 1% or carcinogens above 0.1%</b>
<b>TSCA:</b>	Listed	Listed
<b>DSL</b>	Listed	Not Available
<b>NDSL:</b>	Not Listed	Not Available
<b>EINECS:</b>	Listed	Not Available
<b>CHINA:</b>	Listed	Not Available
<b>KECL:</b>	Not Listed	Not Available
<b>JAPAN:</b>	Listed	Not Available
<b>AICS:</b>	Listed	Not Available

**EU Regulations**

**Annex I Index#:** Not available

**Classification** EC#: 259-364-6 | CAS#54827-17-7 Substance Name :  
3,3',5,5'- tetramethylbenzidine | Molecular Formula : C<sub>16</sub>H<sub>20</sub>N<sub>2</sub> - Not Classified

**Precautionary Statements:** Not Applicable

**Symbols and Indications of  
Danger:** Not Applicable

**Specific Concentration Limits:** Not Available

**Export and Import** This substance is not listed in the Annex I of Regulation (EC) No 689/2008.

**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 accurate, complete and current but does not purport to be all inclusive and shall be used as a guide. SeraCare Life Sciences makes no representation or warranties with respect to the product described herein, including but not limited to any implied warranties or merchantability or fitness for a particular use. SeraCare assumes no liability or responsibility and authorizes no other person to assume any additional liability or responsibility as a result of the use of this product or the information contained in the Safety Data Sheet.