



# Safety Data Sheet

KPL SureBlue™ TMB Microwell Peroxidase Substrate

SDS-10012

Rev. Number: 7 Rev. Date: Apr 6, 2020

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product Description:	Product Code
KPL SureBlue™ Microwell Peroxidase Substrate	5120-0079 (52-00-05)
	5120-0078 (52-00-04)
	5120-0077 (52-00-03)
	5120-0076 (52-00-02)
	5120-0075 (52-00-01)
	5120-0074 (52-00-00)
	5120-0085 (SPL-SB)

### 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](http://www.seracare.com)

**Email:** [customerservice@seracare.com](mailto: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)

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**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>	Inhalation and ingestion
<b>Acute Effects: Eye</b>	Unlikely to cause eye irritation or injury
<b>Acute Effects: Skin:</b>	Unlikely to cause skin irritation or injury
<b>Acute Effects: Inhalation:</b>	No adverse health effects expected from inhalation. A nuisance-causing concentration of airborne particles can be reached quickly when dispersed.
<b>Acute Effects: Ingestion:</b>	Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful. May cause gastrointestinal upset.
<b>Chronic Effects:</b>	Not Applicable
<b>Additional Information:</b>	Not Applicable

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

<b><u>Component</u></b>	<b><u>CHEMICAL</u></b>	<b><u>% Weight</u></b>	<b><u>CAS #:</u></b>
SureBlue™ TMB Microwell	Hydrogen Peroxide	< 0.10%	7722-84-1
Peroxidase Substrate	3,3',5,5'-tetramethylbenzidine	<0.05%	54827-17-7

**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**

<b>General Advice</b>	Wash contaminated clothing before reuse. Consult a physician if irritation persists.
<b>Oral Exposure</b>	Rinse mouth
<b>Inhalation Exposure</b>	Fresh air; rest
<b>Skin Exposure</b>	Rinse skin with plenty of water or shower.
<b>Eye Exposure</b>	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.

## 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>	Not Applicable
<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>	Not Applicable
<b>Protective equipment and precautions for firefighters:</b>	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions:</b>	Wear appropriate PPE to prevent skin contact
<b>Environmental Precautions:</b>	No special environmental precautions required. Should not be released into the environment.
<b>Method of Containment:</b>	Collect leaking and spilled liquid in sealable containers as far as possible.
<b>Methods of Clean-up:</b>	Clean-up 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

## 8. EXPOSURE CONTROL

<b>Respiratory Protection:</b>	None required if good ventilation is maintained. Otherwise wear MSHA/NIOSH 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 very pale blue solution
<b>Physical State:</b>	Liquid
<b>Odor:</b>	Not Available
<b>Odor Threshold:</b>	Not Available
<b>pH:</b>	3.7 - 3.9
<b>Boiling Point:</b>	Not Available
<b>Evaporation Rate:</b>	Not Available

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<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 Available
<b>Flash Point:</b>	Not Available
<b>Viscosity:</b>	Not Available
<b>Oxidizing Properties:</b>	Not Available
<b>Explosive Properties:</b>	Not Available
<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>	No open flames
<b>Incompatibility Materials to Avoid:</b>	Not applicable.
<b>Hazardous Decomposition Products:</b>	Not applicable.
<b>Hazardous Polymerization:</b>	Will not occur.
<b>Possibility of hazardous reactions:</b>	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

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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 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). Hydrogen peroxide (Conc.> 52%) CAS: 7722-84-1.

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

Not Available

**State Regulations****California Proposition 65:**

This product contains the following  
Proposition 65 chemicals: None listed

**State Right to Know Act**

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<b>Chemical Name</b>	<b>Hydrogen Peroxide</b>	<b>3,3',5,5'- tetramethylbenzidine</b>
<b>Massachusetts:</b>	Listed	Not Listed
<b>New Jersey:</b>	Listed	Not Listed
<b>Pennsylvania:</b>	Listed	Not Listed
<b>New York:</b>	Listed	Not Listed
<b>Rhode Island:</b>	Listed	Not Listed

International Inventories

<b>Chemical Name</b>	<b>Hydrogen Peroxide</b>	<b>3,3',5,5'- tetramethylbenzidine</b>
<b>TSCA:</b>	Listed	Listed
<b>DSL</b>	Listed	Listed
<b>NDSL:</b>	Not Listed	Listed
<b>EINECS:</b>	Listed	Listed
<b>CHINA:</b>	Listed	Listed
<b>KECL:</b>	Listed	Not Listed
<b>JAPAN:</b>	Listed	Listed
<b>AICS:</b>	Listed	Listed

EU Regulations

<b>Annex I Index#:</b>	100% Hydrogen Peroxide, 30%: 008-003-00-9
<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) and Regulation (EC) No 1272/2008
<b>REACH 1907/2006</b>	Product does not contain any substance included in SVHC candidate list.
<b>Precautionary Statements:</b>	Not Applicable
<b>Symbols and Indications of Danger:</b>	Not Applicable
<b>Specific Concentration Limits:</b>	Concentration Limits for Hydrogen Peroxide, 30% CAS: 7722-84-1 Ox. Liq. 1; H271: C ≥ 70 % Ox. Liq. 2; H272: 50 % ≤ C < 70 % Skin Corr. 1A; H314: C ≥ 70 % Skin Corr. 1B; H314: 50 % ≤ C < 70 % Skin Irrit. 2; H315: 35 % ≤ C < 50 % Eye Dam.1 ; H318: 8 % ≤ C < 50 % Eye Irrit. 2; H319: 5 % ≤ C < 8 %

**16. OTHER INFORMATION**

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**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.**

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