



Safety Data Sheet

KPL SureBlue™ Microwell Peroxidase Substrate

SDS-10012

Rev. Number: 06

Rev. Date: Feb 3, 2017

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

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

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.
GHS Classification	Not Applicable:
Hazard Statements:	Not Applicable
Precautionary Statements:	Not Applicable
Symbols and Indications of Danger:	Not Applicable
Principle Route of Exposure:	Inhalation and ingestion
Acute Effects: Eye	Unlikely to cause eye irritation or injury
Acute Effects: Skin:	Unlikely to cause skin irritation or injury
Acute Effects: Inhalation:	No adverse health effects expected from inhalation. A nuisance-causing concentration of airborne particles can be reached quickly when dispersed.
Acute Effects: Ingestion:	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.
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>
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

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

5. FIRE FIGHTING MEASURES

Extinguishing media:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unusual Fire and Explosive Hazards:	Not Applicable
Flash Point:	Not Applicable
Auto ignition Temperature:	Not Applicable
Flammability Statement:	Not Applicable
Specific hazards arising from the chemical:	Not Applicable
Protective equipment and precautions for firefighters:	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Wear appropriate PPE to prevent skin contact
Environmental Precautions:	No special environmental precautions required. Should not be released into the environment.
Method of Containment:	Collect leaking and spilled liquid in sealable containers as far as possible.
Methods of Clean-up:	Clean-up with copious amounts of water.
Other Information:	Not applicable

7. HANDLING AND STORAGE

Handling:	Wear appropriate PPE to prevent skin contact
Storage:	Store at 2 – 8 °C

8. EXPOSURE CONTROL

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear to very pale blue solution
Physical State:	Liquid
Odor:	Not Available
Odor Threshold:	Not Available
pH:	3.7 - 3.9
Boiling Point:	Not Available
Evaporation Rate:	Not Available

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Vapor Density:	Not Available
Vapor Pressure:	Not Available
Relative Density:	Not Available
Auto-Ignition Temperature:	Not Available
Water Solubility:	Dilutable
Flammability:	Not Available
Flash Point:	Not Available
Viscosity:	Not Available
Oxidizing Properties:	Not Available
Explosive Properties:	Not Available
Additional Parameters:	See Datasheet/Product Insert for other Product Information.

10. STABILITY AND REACTIVITY

Chemical Stability:	Stable under recommended storage conditions.
Conditions to avoid:	No open flames
Incompatibility Materials to Avoid:	Not applicable.
Hazardous Decomposition Products:	Not applicable.
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.

LD50 Oral:	Not Available
LD50 Dermal:	Not Available
LC50 Inhalation:	Not Available

Chronic Toxicity

Carcinogenicity:	Not Available
Irritation:	Not Available
Corrosivity:	Not Available
Sensitization:	Not Available
Neurological Effects:	Not Available
Mutagenic Effects:	Not Available
Reproductive Effects:	Not Available

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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 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

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State Right to Know Act

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

International Inventories

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

EU Regulations**Annex I Index#:** 100% Hydrogen Peroxide, 30%: 008-003-00-9**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

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

Specific Concentration Limits: 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 %

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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.