



Safety Data Sheet

KPL Peroxydase Substrate Solution - Code 0045100178

SDS-OEM-Merial

Rev. Number: 1

Rev. Date: Jan 7, 2019

1. PRODUCT AND COMPANY IDENTIFICATION

Product Description:	Product Code
KPL Peroxidase Substrate Solution	5120-0029 (37-01-56)

Hazardous Reagent
Not Available

Hazardous Reagent Product code
Listed above

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)

SDS-OEM-Merial

Rev. Number: 1 Rev. Date: Jan 7, 2019

2. HAZARD IDENTIFICATION

Hazard Type	GHS Classification in accordance with 29 CFR 1910 (OSHA HCS) Flammable liquids (Category 3), H225, H226.
GHS Classification	Flammable liquids (Category 3) H225, H226
Hazard Statements:	H225: Highly flammable liquid and vapor H226: Flammable liquids and vapor
Precautionary Statements:	P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking. P233 Keep container tightly closed. P240 Ground/bond container and receiving equipment. P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment. P242 Use only non-sparking tools. P243 Take precautionary measures against static discharge. P280 Wear protective gloves/ eye protection/ face protection. P303 + P361 + P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction. P403 + P235 Store in a well-ventilated place. Keep cool. P501 Dispose of contents/ container to an approved waste disposal plant.
Symbols and Indications of Danger:	GHS02 Warning 
Principle Route of Exposure:	Inhalation, skin, eyes and ingestion
Acute Effects: Eye	May cause eye irritation
Acute Effects: Skin:	May 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. DO NOT induce vomiting. May cause gastrointestinal upset. Consult a physician
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
	Ethanol	19%	64-17-5

GHS Classification: **GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**

Flammable liquids (Category 3), H226.

4. FIRST AID MEASURES

General Advice	Wash contaminated clothing before reuse. Consult a physician if irritation persists.
Oral Exposure	If swallowed DO NOT induce vomiting. Rinse mouth with water. Consult a physician
Inhalation Exposure	Move person to fresh
Skin Exposure	Rinse skin with plenty of soap water or shower.
Eye Exposure	First rinse with plenty of water for 15 minutes (remove contact lenses if easily possible); consult a physician

5. FIRE FIGHTING MEASURES

Extinguishing media:	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide
Unusual Fire and Explosive Hazards:	Flammable liquid and vapor
Flash Point:	41 °C (106 °F)
Auto ignition Temperature:	Not Available
Flammability Statement:	Flammable liquid and vapor
Specific hazards arising from the chemical:	Carbon oxides, Nitrogen oxides, Hydrogen chlorine gas
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:	Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.
Environmental Precautions:	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Method of Containment:	Collect leaking and spilled liquid in sealable containers as far as possible. Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations
Methods of Clean-up:	See Method of Containment
Other Information:	Not applicable

7. HANDLING AND STORAGE

Handling:	Wear appropriate PPE to prevent skin contact. Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the build-up of electrostatic charge.
Storage:	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Recommended storage temperature 2 - 8 °C. Storage class (TRGS 510): Flammable liquids

8. EXPOSURE CONTROL

Respiratory Protection:	Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
Eye Protection:	Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
Skin Protection:	Protective gloves; protective clothing. Dispose of contaminated gloves and clothing after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
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
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:	41 °C (106 °F)
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:	Heat. No open flames or sparks
Incompatibility Materials to Avoid:	Oxidizing agents
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
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

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13. DISPOSAL MEASURES

Waste Disposal Method: Observe all Federal, State and Local environmental regulations. Burn in chemical incinerator equipped with afterburner and scrubber.

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 (US): UN number: 1170 Class: 3 Packing group: III
Proper shipping name: ETHANOL SOLUTIONS
Poison Inhalation Hazard: No

IATA: UN number: 1170 Class: 3 Packing group: III
Proper shipping name: ETHANOL SOLUTION

ADR (road)/ RID (rail): Not regulated

IMDG (sea): UN number: 1170 Class: 3 Packing group: III EMS-No: F-E, S-D
Proper shipping name: ETHANOL SOLUTION

General Transport Regulations Not regulated

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

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

SDS-OEM-Merial

Rev. Number: 1 Rev. Date: Jan 7, 2019

International Inventories

Chemical Name	Hydrogen Peroxide	3,3',5,5'- tetramethyl-benzidine	Ethanol
TSCA:	Listed	Listed	Listed
DSL	Listed	Listed	Listed
NDSL:	Not Listed	Not Listed	Not Listed
EINECS:	Listed	Listed	Listed
CHINA:	Listed	Listed	Listed
KOREA (KECL):	Listed	Not Listed	Listed
JAPAN:	Listed	Listed	Listed

EU Regulations**Annex I Index#:**

Ethanol; 64-17-5

Classification

Highly Flammable liquid and vapor, (Category 3) H225,

Flammable liquid and vapor (Category 3) H226

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS) Regulation (EC) No 1272/2008

Precautionary Statements: As noted in section 2 of this SDS**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.

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