

# Safety Data Sheet



Revision Date: 7/31/2014

SDS #: SDS-10135-02

4 CN Peroxidase Substrate System (2-C)

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Description:**

4 CN Peroxidase Substrate System (2-C)

**Product Code**

50-73-00

**Kit Components:**

4-CN Solution	50-73-01
Peroxidase Substrate Solution B	50-65-00

**Recommended Use** Kit (See Attached Safety Data Sheets For Components Listed Above)

**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](http://www.kpl.com)  
**Email:** [kplmsds@seracare.com](mailto: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)

# Safety Data Sheet



Revision Date: 8/1/2014

MSDS #: 10329

## 4 CN Peroxidase Substrate

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product Description:	Product Code
4 CN Substrate	50-73-03
4 CN Substrate	50-73-01
4 CN Substrate	50-73-02

#### Hazardous Reagent

4 CN Substrate

#### Hazardous Reagent Product code

Catalog No. listed above

**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

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### 2. HAZARD IDENTIFICATION

#### Hazard Type

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

**Classification** Flammable liquids, Category 2; H225  
Acute toxicity, Category 3, inhalation; H331  
Acute toxicity, Category 3, dermal; H311  
Acute toxicity, Category 3, oral; H301  
Specific Target Organ Toxicity (single exposure), Category 2; H371

**Hazard Statement** H225: Highly flammable liquid and vapour.  
H331: Toxic if inhaled.  
H311: Toxic in contact with skin.  
H301: Toxic if swallowed.  
H371: May cause damage to organs.

**Precautionary Statement** 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.

**4 CN Peroxidase Substrate**

P243: Take precautionary measures against static discharge.  
 P280: Wear protective gloves/ protective clothing/ eye protection/ face protection.  
 P260: Do not breathe dust/ fume/ gas/mist/ vapours/ spray.  
 P271: Use only outdoors or in a well-ventilated area.  
 P284: Wear respiratory protection.  
 P264 : Wash skin thoroughly after handling.  
 P270: Do not eat, drink or smoke when using this product.

**Symbols of Danger**

GHS02 GHS06 GHS08 Dgr: Danger

**Data for 100% Hazardous Chemical**

**ROUTES OF EXPOSURE:** The substance can be absorbed into the body by inhalation and through the skin and by ingestion.

**INHALATION RISK:** A harmful contamination of the air can be reached rather quickly on evaporation of this substance at 20°C.

**SHORT-TERM EXPOSURE:** The substance is irritating to the eyes, the skin and the respiratory tract. The substance may cause effects on the central nervous system, resulting in loss of consciousness.

**LONG-TERM EXPOSURE:** Repeated or prolonged contact with skin may cause dermatitis. The substance may have effects on the central nervous system, resulting in persistent or recurring headaches and impaired vision.

**The product is a Mixture. It May Cause the following symptoms.**

Redness. Pain.

MAY BE ABSORBED! Dry skin. Redness.

Cough. Dizziness. Headache. Nausea. Weakness. Visual disturbance.

Abdominal pain. Shortness of breath. Vomiting. Convulsions. Unconsciousness. (Further see Inhalation).

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

<u>Component</u>	<u>CHEMICAL</u>	<u>% Weight</u>	<u>CAS #:</u>
4 CN Peroxidase Substrate	Methyl Alcohol	<20%	67-56-1

**Classification**

Flammable liquids, Category 2; H225  
 Acute toxicity, Category 3, inhalation; H331  
 Acute toxicity, Category 3, dermal; H311  
 Acute toxicity, Category 3, oral; H301  
 Specific Target Organ Toxicity (single exposure), Category 2; H371

**4. FIRST AID MEASURES****Data for 100% Hazardous Chemical**

**Ingestion First Aid:** Induce vomiting (ONLY IN CONSCIOUS PERSONS!). Refer for medical attention.

**Inhalation First Aid:** Fresh air, rest. Refer for medical attention.

**Skin First Aid:** Remove contaminated clothes. Rinse skin with plenty of water or shower. Refer for medical attention.

**Eye First Aid:** First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.

**5. FIRE FIGHTING MEASURES****Data For 100% Hazardous Chemical**

<b>Fire Acute Hazard:</b> Highly flammable. See Notes.	<b>Fire Prevention:</b> NO open flames, NO sparks, and NO smoking. NO contact with oxidants.	<b>Fire Fighting:</b> Powder, alcohol-resistant foam, water in large amounts, carbon dioxide.
<b>Explosion Acute Hazard:</b> Vapour/air mixtures are explosive.	Closed system, ventilation, explosion-proof electrical equipment and lighting. Do NOT use compressed air for filling, discharging, or handling. Use non-sparking handtools.	In case of fire: keep drums, etc., cool by spraying with water.
<b>CHEMICAL DANGERS:</b>	Reacts violently with oxidants causing fire and explosion hazard.	
<b>PHYSICAL DANGERS:</b>	The vapour mixes well with air, explosive mixtures are easily formed.	

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	Data for 100% Methyl Alcoho (67-56-1): Precautionary Statement - P-phrases: P210: Keep away from heat/sparks/open flames/hot surfaces. No smoking. P233: Keep container tightly closed. P280: Wear protective gloves/protective clothing/eye protection/face protection. P302+P352: IF ON SKIN: Wash with plenty of soap and water. P309+P310: IF exposed or if you feel unwell: Immediately call a POISON CENTER or doctor/physician. (Unofficial P-phrase combination)
<b>Environmental Precautions</b>	Data for 100% Methyl Alcoho (67-56-1): Endangerment of drinking water and environment: Maybe a hazard to drinking water sources when very large quantities get into groundwater. Inform the responsible authorities.
<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 of spills requires no special equipment or procedures. Clean with copious amounts of water.
<b>Other Information</b>	Not Applicable

### Data for 100% Hazardous Chemical

<b>SPILLAGE DISPOSAL</b>	Evacuate danger area! Ventilation. Collect leaking liquid in sealable containers. Wash away remainder with plenty of water. Remove vapour with fine water spray. Chemical protection suit including self-contained breathing apparatus.
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## 7. HANDLING AND STORAGE

<b>Handling:</b>	Wear appropriate PPE. See section 8
<b>Storage:</b>	Keep tightly closed and store at 2 - 8°C.

### Data for 100% Hazardous Chemical

<b>STORAGE</b>	Fireproof. Separated from strong oxidants, food and feedstuffs . Cool.
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## 8. EXPOSURE CONTROL

### Data for 100% Hazardous Chemical

• <b>INHALATION</b>	Ventilation. Local exhaust or breathing protection.
• <b>EYES</b>	Safety goggles or eye protection in combination with breathing protection.
• <b>SKIN</b>	Protective gloves. Protective clothing.
• <b>INGESTION</b>	Do not eat, drink, or smoke during work. Wash hands before eating.

**Engineering Controls** Not Available

## 9. PHYSICAL AND CHEMICAL PROPERTIES

MSDS #: 10329

## 4 CN Peroxidase Substrate

**Appearance**

Viscous Colorless Solution - Precipitation may occur

**Physical State**

Liquid

**pH:** 5.4 - 5.8

**Data for 100% Hazardous Chemical**

Boiling point: °C	Melting point: -98°C	Relative density (water = 1): 0.79	Solubility in water: miscible	Vapour pressure, kPa at 20°C: 12.3
Relative vapour density (air = 1): 1.1	Relative density of the vapour/air-mixture at 20°C (air = 1): 1.01	Flash point: 12°C c.c.	Auto-ignition temperature: 464°C	Explosive limits, vol% in air: 5.5-44
				Octanol/water partition coefficient as log Pow: -0.82/-0.66

## 10. STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Stable under normal conditions
<b>Incompatibility Materials to Avoid</b>	Strong oxidizing agents and reducing agents
<b>Hazardous Decomposition Products</b>	Carbon Monoxide, Carbon Dioxide
<b>Hazardous Polymerization</b>	Will not occur

**Data for 100% Hazardous Chemical**

<b>CHEMICAL DANGERS:</b>	Reacts violently with oxidants causing fire and explosion hazard.
<b>PHYSICAL DANGERS:</b>	The vapour mixes well with air, explosive mixtures are easily formed.

## 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>	Data for 100% Methyl Alcohol: LD50 oral rat: 5630 mg/kg  Reference: Gigiena Truda i Professional'nye Zabolevaniya. Labor Hygiene and Occupational Diseases. Vol. 19(11), Pg. 27, 1975. Acutely Toxic
<b>LD50 Dermal</b>	Data for 100% Methyl Alcohol: LD50 dermal Rabbit : 15800 mg/kg  Reference: Raw Material Data Handbook, Vol.1: Organic Solvents, 1974. Vol. 1, Pg. 74, 1974. Acutely Toxic
<b>LC50 Inhalation</b>	Data for 100% Methyl Alcohol: LC50 inhalation rat: 83,9 mg/l/4 h  Reference: Raw Material Data Handbook, Vol.1: Organic Solvents, 1974. Vol. 1, Pg. 74, 1974. Acutely Toxic

### Chronic Toxicity

<b>Carcinogenicity</b>	Not Applicable
<b>Irritation</b>	Data for 100% Methyl Alcohol: Main toxic effects: Acute: Irritation to the eyes, CNS depression, systemic damage to the eyes Chronic: Neurological symptoms, irritation to the nasal mucous membranes through exposure to higher vapor concentrations, damage to the skin due to repeated contact.
<b>Corrosivity</b>	Not applicable
<b>Sensitization</b>	Not applicable
<b>Neurological Effects</b>	Not applicable
<b>Mutagenic Effects</b>	Not applicable
<b>Reproductive Effects</b>	Not applicable

**4 CN Peroxidase Substrate**

<b>Developmental Effects</b>	This product contains the following Proposition 65 chemicals: Methanol Type of Toxicity: developmental CAS No. 67-56-1 Date Listed: March 16, 2012
<b>Target Organ Effects</b>	Data for 100% Methyl Alcohol: Eyes, skin, respiratory system, central nervous system, gastrointestinal tract
<b>Other adverse effects</b>	Data for 100% Methyl Alcohol: Effects of short-term exposure The substance is irritating to the eyes, skin and respiratory tract. The substance may cause effects on the central nervous system. This may result in loss of consciousness. Exposure could cause blindness and death. The effects may be delayed. Medical observation is indicated.  Effects of long-term or repeated exposure Repeated or prolonged contact with skin may cause dermatitis. The substance may have effects on the central nervous system. This may result in persistent or recurring headaches and impaired vision.

**12. ECOLOGICAL MEASURES**

<b>Ecotoxicity</b>	Data for 100% Methyl Alcohol: Acute Toxicity to Fish - LC50 Fish (96 hours) Minimum: 15000 mg/l Maximum: 29400 mg/l Median: 24000 mg/l Study number: 8 Reference: Poirier, S.H., M.L. Knuth, C.D. Anderson-Buchou, L.T. Brooke, A.R. Lima, and P.J. Shubat 1986. Comparative Toxicity of Methanol and N,N-Dimethylformamide to Freshwater Fish and Invertebrates. Bull.Environ.Contam.Toxicol. 37(4):615-621; Bengtsson, B.E., L. Renberg, and M. Tarkpea 1984. Molecular Structure and Aquatic Toxicity - an Example with C1-C13 Aliphatic Alcohols. Chemosphere 13(5/6):613-622
<b>Persistence/Degradability</b>	Not Available
<b>Mobility in Environmental Media</b>	Not Available
<b>Bioaccumulation/Accumulation</b>	Not Available

**13. DISPOSAL MEASURES**

<b>Waste Disposal Method:</b>	Treatment, storage and transportation must comply with all Federal, State, and Local laws concerning health and pollution.
<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 Available

**14. TRANSPORTATION MEASURES**

<b>DOT:</b>	Data for 100% Methyl Alcohol: UN Classification UN Hazard Class: 3; UN Subsidiary Risks: 6.1; UN Pack Group: II
<b>IATA:</b>	Not Available
<b>ADR (road)/ RID (rail):</b>	Not Available
<b>IMDG (sea):</b>	Not Available
<b>General Transport Regulations</b>	Data for 100% Methyl Alcohol: Transport Emergency Card: TEC (R)-30S1230.

**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 RegulationsCalifornia Proposition 65:

This product contains the following Proposition 65 chemicals: Methanol Type of Toxicity: developmental CAS No. 67-56-1 Date Listed: March 16, 2012

State Right to Know Act

<b>Chemical Name</b>	<b>Methyl Alcohol</b>
<b>Massachusetts</b>	Listed
<b>New Jersey</b>	Listed
<b>Pennsylvania</b>	Listed
<b>New York</b>	Listed
<b>Rhode Island</b>	Listed

International Inventories

<b>Chemical Name</b>	<b>Methyl Alcohol</b>
<b>TSCA</b>	Listed
<b>DSL</b>	Listed
<b>NDSL</b>	Not Listed
<b>EINECS</b>	Listed
<b>CHINA</b>	Listed
<b>KECL</b>	Listed
<b>JAPAN:</b>	Listed
<b>AICS</b>	Listed

EU Regulations

<b>Annex I Index#</b>	Data for 100% Methyl Alcohol: Annex I Index# : 603-001-00-X
<b>Classification</b>	Flammable liquids, Category 2; H225 Acute toxicity, Category 3, inhalation; H331 Acute toxicity, Category 3, dermal; H311 Acute toxicity, Category 3, oral; H301 Specific Target Organ Toxicity (single exposure), Category 2; H371
<b>Risk Phrases</b>	H225: Highly flammable liquid and vapour. H331: Toxic if inhaled. H311: Toxic in contact with skin. H301: Toxic if swallowed. H371: May cause damage to organs.
<b>Safety Phrases</b>	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/ protective clothing/ eye protection/ face protection. P260: Do not breathe dust/ fume/ gas/mist/ vapours/ spray. P271: Use only outdoors or in a well-ventilated area. P284: Wear respiratory protection. P264 : Wash skin thoroughly after handling. P270: Do not eat, drink or smoke when using this product.
<b>Symbols and Indications of Danger</b>	GHS02 GHS06 GHS08 Dgr: Danger
<b>Specific Concentration Limits</b>	STOT SE 1; H370: C $\geq$ 10 % STOT SE 2; H371: 3 % $\leq$ C < 10 %
<b>Export and Import</b>	This substance is not listed in the Annex I of Regulation (EC) No 649/2012.

## **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.

Revision Date: 8/1/2014



# Safety Data Sheet



Revision Date: 7/4/2014

SDS #: 10143

Peroxidase Substrate Solution B

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product Description:	Product Code
Peroxidase Substrate Solution B	50-65-25
Peroxidase Substrate Solution B	50-65-05
Peroxidase Substrate Solution B	50-65-03
Peroxidase Substrate Solution B	50-65-02
Peroxidase Substrate Solution B	50-65-00
Peroxidase Substrate Solution B	37-00-86
Peroxidase Substrate Solution B	37-00-79
Peroxidase Substrate Solution B	37-01-61

### 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

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UK – THE NATIONAL FOCUS	Telephone: (44) 029 2041 6388	Hours: 09:00-17:00 GMT
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+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>Principle Route of Exposure</b>	Not Applicable
<b>Acute Effects: Eye:</b>	Not Applicable
<b>Acute Effects: Skin:</b>	Not Applicable
<b>Acute Effects: Inhalation:</b>	Not Applicable
<b>Acute Effects: Ingestion:</b>	Not Applicable
<b>Chronic Effects:</b>	Not Applicable
<b>Additional Information</b>	Not Applicable

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CHEMICAL</u>	<u>% Weight</u>	<u>CAS #:</u>
Peroxidase Substrate Solution B	Not Applicable	Not Applicable	Not Applicable

<b>GHS Classification</b>	The product contains no substances which at their given concentration, are considered to be hazardous to health or the environment.
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### 4. FIRST AID MEASURES

<b>General Advice</b>	Not Applicable
<b>Oral Exposure</b>	Rinse mouth
<b>Inhalation Exposure</b>	Fresh air, rest.
<b>Skin Exposure</b>	with soap and water. Wash contaminated clothing before reuse.
<b>Eye Exposure</b>	Flush with copious amounts of water or eyewash saline for at least 15 minutes.

### 5. FIRE FIGHTING MEASURES

<b>Extinguishing media</b>	Use extinguishing media appropriate for surrounding fire.
<b>Unusual Fire and Explosive Hazards</b>	Not Applicable
<b>Flash Point</b>	Not Applicable
<b>Autoignition Temperature</b>	Not Applicable
<b>Flammability Statement</b>	Not Applicable
<b>Specific hazards arising from the chemical</b>	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

<b>Personal Precautions</b>	Avoid contact with skin, eyes and clothing.
<b>Environmental Precautions</b>	Not Applicable
<b>Method of Containment</b>	Containment of spills requires no special equipment or procedures. Cover with absorbent.
<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.
<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/NIDSH approved respirator suitable for vapor or mist concentrations encountered.
<b>Eye Protection</b>	Safety spectacles.
<b>Skin Protection</b>	Protective gloves. Protective clothing.
<b>Ingestion</b>	Do not eat, drink, or smoke during work.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Clear, Colorless Solution. Relatively free of particulate matter
<b>Physical State</b>	Liquid
<b>Odor</b>	Not Applicable
<b>Odor Threshold</b>	Not Applicable
<b>pH</b>	Not Applicable
<b>Boiling Point</b>	Not Applicable
<b>Evaporation Rate</b>	Not Applicable
<b>Vapor Density</b>	Not Applicable
<b>Vapor Pressure</b>	Not Applicable
<b>Relative Density</b>	Not Applicable
<b>Auto-Ignition Temperature</b>	Not Applicable
<b>Water Solubility</b>	Dilutable
<b>Flammability</b>	Not Applicable
<b>Flash Point</b>	Not Applicable
<b>Viscosity</b>	Not Applicable
<b>Oxidizing Properties</b>	Not Applicable
<b>Explosive Properties</b>	Not Applicable

Additional Parameters Not Available

## 10. STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Stable under normal conditions
<b>Conditions to avoid</b>	Not Available
<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 Applicable
<b>LD50 Dermal</b>	Not Applicable
<b>LC50 Inhalation</b>	Not Applicable

### Chronic Toxicity

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

## 12. ECOLOGICAL MEASURES

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

**Bioaccumulation/  
Accumulation** Not Applicable

### 13. DISPOSAL MEASURES

**Waste Disposal Method:** Normal disposal with copious amounts of water. Observe all Federal, State and Local environmental regulations.

**Contaminated Packaging:** Not Applicable

**US EPA Waste Number:** Not Applicable

### 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). 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**

**California Proposition 65:**

This product contains the following Proposition 65 chemicals: Not Listed

**State Right to Know Act**

**Chemical Name** Not Applicable

**Massachusetts** Not Applicable

**New Jersey** Not Applicable

**Pennsylvania** Not Applicable

**New York** Not Applicable

**Rhode Island** Not Applicable

**International Inventories**

**Chemical Name** Not Applicable

SDS #: 10143

Peroxidase Substrate Solution B

TSCA	Not Applicable
DSL	Not Applicable
NDSL	Not Applicable
EINECS	Not Applicable
CHINA	Not Applicable
KECL	Not Applicable
JAPAN:	Not Applicable
AICS	Not Applicable

**EU Regulations**

**Annex I Index#**

**Classification** The product contains no substances which at their given concentration, are considered to be hazardous to health or the environment.

**Risk Phrases** Not Applicable

**Safety Phrases** Not Applicable

**Symbols and Indications of Danger** Not Applicable

**Specific Concentration Limits** Not Applicable

**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 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 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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