

# Safety Data Sheet



Revision Date: 7/28/2014

Peroxidase Solution

SDS #: SDS-10321-01

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Description:**

Peroxidase Solution

**Product Code**

71-00-09

**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

**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>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.

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Chronic Effects: None Available

Additional Information Not Available

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CHEMICAL</u>	<u>% Weight</u>	<u>CAS #:</u>
Peroxidase Solution	Hydrogen Peroxide, 30%	<4%	7722-84-1

**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>	In case of fire in the surroundings: carbon dioxide, foam, powder, water spray.
<b>Unusual Fire and Explosive Hazards</b>	Not Available
<b>Flash Point</b>	Not Available
<b>Autoignition Temperature</b>	Not Available
<b>Flammability Statement</b>	Not Available
<b>Specific hazards arising from the chemical</b>	Not Available
<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 personal protective clothing 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>	Wash away remainder with plenty of water.
<b>Other Information</b>	Not Available

## 7. HANDLING AND STORAGE

**Handling:** Wear appropriate PPE. See section 8

**Storage:** Store tightly capped at 2 - 8°C.

## 8. EXPOSURE CONTROL

<b>Respiratory Protection</b>	Ventilation.
<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 solution
<b>Physical State</b>	Liquid
<b>Odor</b>	Not Available
<b>Odor Threshold</b>	Not Available
<b>pH</b>	2.55 - 2.95
<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 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 for other Product Information.

## 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 Available
<b>Hazardous Decomposition Products</b>	Carbon Monoxide, Carbon Dioxide, Nitrogen Oxides, Sulphur Oxides, Hydrogen Chloride gas.
<b>Hazardous Polymerization</b>	Will not occur
<b>Possibility of hazardous reactions</b>	Not Available

## 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.

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LD50 Oral	No Data Available
LD50 Dermal	No Data Available
LC50 Inhalation	No Data Available

**Chronic Toxicity**

<b>Carcinogenicity</b>	There are no known carcinogenic chemicals in this product.
<b>Irritation</b>	No Data Available
<b>Corrosivity</b>	No Data Available
<b>Sensitization</b>	No Data Available
<b>Neurological Effects</b>	No Data Available
<b>Mutagenic Effects</b>	No Data Available
<b>Reproductive Effects</b>	No Data Available
<b>Developmental Effects</b>	No Data Available
<b>Target Organ Effects</b>	No Data Available
<b>Other adverse effects</b>	Not Available

<b>12. ECOLOGICAL MEASURES</b>
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<b>Ecotoxicity</b>	Not Available
<b>Persistence/Degradability</b>	Not Available
<b>Mobility in Environmental Media</b>	Not Available
<b>Bioaccumulation/Accumulation</b>	Not Available

<b>13. DISPOSAL MEASURES</b>
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<b>Waste Disposal Method:</b>	Observe all Federal, State and Local laws concerning health and pollution.
<b>Contaminated Packaging:</b>	Avoid contact with skin and clothing. Dispose of in compliance with the respective national and local regulations.
<b>US EPA Waste Number:</b>	Not Available

<b>14. TRANSPORTATION MEASURES</b>
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<b>DOT:</b>	Not Available
<b>IATA:</b>	Not Available
<b>ADR (road)/ RID (rail):</b>	Not Available
<b>IMDG (sea):</b>	Not Available
<b>General Transport Regulations</b>	Not Available

<b>15. REGULATORY MEASURES</b>
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**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

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

Not Listed

**State Regulations**

**California Proposition 65:**

This product contains the following Proposition 65 chemicals: None Listed

**State Right to Know Act**

**Chemical Name** Hydrogen Peroxide,  
30%

**Massachusetts** Listed

**New Jersey** Listed

**Pennsylvania** Listed

**New York** Listed

**Rhode Island** Listed

**International Inventories**

**Chemical Name** Hydrogen Peroxide,  
30%

**TSCA** Listed

**DSL** Listed

**NDSL** Not Listed

**EINECS** Listed

**CHINA** Listed

**KECL** Listed

**JAPAN:** Listed

**AICS** 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

**Risk Phrases** H271: May cause fire or explosion; strong oxidiser  
H332: Harmful if inhaled  
H302: Harmful if swallowed  
H314: Causes severe skin burns and eye damage

**Safety Phrases** P210: Keep away from heat/sparks/open flames/hot surfaces. — No smoking.  
P220: Keep/Store away from clothing/.../combustible materials.  
P221: Take any precaution to avoid mixing with combustibles...

**Symbols and Indications of Danger** GHS03  
GHS05  
GHS07  
Dgr: Danger

**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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**Export and Import**

This substance is not listed in the Annex I of Regulation (EC) No 649/2012.

**European Priority List**

100% Hydrogen Peroxide, 30% CAS: 7722-84-1 | European Priority Lists and Risk Assessment (Council Regulation (EEC) No 793/93) Information: Rapporteur : Finland  
Priority List# : 2  
ECB# : 022

**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.

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