



Safety Data Sheet

KPL Peroxidase Solution SDS

SDS-10321

Rev. Number: 2

Rev. Date: Dec 20, 2018

1. PRODUCT AND COMPANY IDENTIFICATION

Product Description:	Product Code
KPL Peroxidase Solution	5570-0004 (71-00-09)

Hazardous Reagent

Product Description listed above

Hazardous Reagent Product code

Catalog No. listed above

Recommended Use: Reference 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)

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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 in accordance with 29 CFR 1910 (OSHA HCS)
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.
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	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		

4. FIRST AID MEASURES

General Advice:	Wash contaminated clothing before reuse. Seek medical attention if necessary.
Ingestion First Aid:	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Inhalation Exposure:	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician
Skin Exposure:	Remove contaminated clothes. Rinse and then wash skin with water and soap. Refer for medical attention
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:	In case of fire in the surroundings: carbon dioxide, foam, powder, water spray..
Unusual Fire and Explosive Hazards:	Not Available
Flash Point:	Not available
Auto ignition Temperature:	Not Available
Flammability Statement:	Not Available
Specific hazards arising from the chemical:	Not available
Protective equipment and	Wear self-contained breathing apparatus and protective clothing to prevent contact with

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precautions for firefighters: 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. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas. For personal protection see section 8.

Environmental Precautions: Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Method of Containment and Clean-up 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 (see section 13)

7. HANDLING AND STORAGE

Handling: Wear appropriate PPE. See section 8

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

8. EXPOSURE CONTROL

Respiratory Protection: Ventilation.

Eye Protection: Safety spectacles.

Skin Protection: Protective gloves. Protective clothing.

Ingestion: Do not eat, drink, or smoke during handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear solution

Physical State: Liquid

Odor: Not available

Odor Threshold: Not available

pH: 2.55 – 2.95

Boiling Point: Not available

Melting 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

Flash Point: Not available

Viscosity: Not Available

Oxidizing Properties: Not Available

Explosive Properties: Not Available

10. STABILITY AND REACTIVITY

Chemical Stability:	This material is stable under recommended storage conditions.
Conditions to avoid:	Not available.
Incompatibility Materials to Avoid:	Not available
Hazardous Decomposition Products:	Carbon Monoxide, Carbon Dioxide, Nitrogen Oxides, Sulphur Oxides, Hydrogen Chloride gas
Hazardous Polymerization:	Will not occur
Possibility of hazardous reactions:	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.

LD50 Oral:	No data available
LD50 Dermal:	No data available
LC50 Inhalation:	No data available

Chronic Toxicity

Carcinogenicity:	There are no known carcinogenic chemicals in this product.
Irritation:	No Data Available
Corrosivity:	No Data Available
Sensitization:	No Data Available
Neurological Effects:	No Data Available
Mutagenic Effects:	No Data Available
Reproductive Effects:	No Data Available
Developmental Effects:	No Data Available
Target Organ Effects:	No Data 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 laws concerning health and pollution.
Contaminated Packaging: Dispose of in compliance with the respective national and local regulations.
US EPA Waste Number: Not Available

14. TRANSPORTATION MEASURES

DOT: Not available
IATA: Not available
ADR (road)/ RID (rail): Not available
IMDG (sea): Not available
General Transport Regulations Not available

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 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%
TSCAL: Listed

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DSL: Listed
NDSL: Not Listed
EINECS: Listed
CHINA: Listed
KECL: Listed
JAPAN: Listed
AICS: Listed

EU Regulations

Annex I Index#: 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) CLP Regulation (EC) No 1272/2008

Hazard Statements:

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

Precautionary Statements:

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 %

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

European Priority List 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

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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.