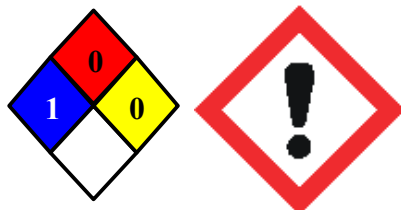


Material Safety Data Sheet



MSDS #: 10188 50-86-08



Revision Date: 10/14/2011

Membrane Hybridization Buffer Kit

1. PRODUCT AND COMPANY IDENTIFICATION

Product Description

Membrane Hybridization Buffer Kit

CATALOG NO.

50-86-08

Hazardous Reagents:

Membrane Hybridization Buffer

50-86-07

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:

msds@kpl.com

Emergency Telephone Numbers:

AUSTRALIA – POISONS INFORMATION CENTER
CANADIAN TRANSPORT EMERGENCY CENTER
UK – THE NATIONAL FOCUS
USA- NATIONAL RESPONSE CENTER

Telephone: 13 11 26
Telephone: (1) 613 996 6666
Telephone: (44) 029 2041 6388
Telephone: (1) 800 424 8802

Hours: 24 hours
Hours: 24 hours/day, 7 days/week
Hours: 09:00-17:00 GMT
Hours: 24 hours/day, 7 days/week

Safety Data Sheet



Membrane Hybridization Buffer

SDS-10187

Rev. Number: 2 Rev. Date: Jul 14, 2016

1. PRODUCT AND COMPANY IDENTIFICATION

Product Description:	Product Code
Membrane Hybridization Buffer	50-86-07

Hazardous Reagent
Product Description listed above

Hazardous Reagent Product code
Catalog No. listed above

Recommended Use: Reference Reagent

Contact Manufacturer: KPL Inc., A SeraCare Company
910 Clopper Road
Gaithersburg, MD 20878

Phone #: (508) 244-6400
US Toll Free: (800) 676-1881

Fax #: (508) 634-3394

Web: www.KPL.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	Irritant
GHS Classification	GHS Classification in accordance with 29 CFR 1910 (OSHA HCS) Skin sensitizer, Category 1; H317
Hazard Statements:	H317: May cause an allergic skin reaction.
Precautionary Statements: Sodium Dodecyl Sulfate	P261: Avoid breathing dust / fume / gas / mist / vapors / spray P280 Wear protective gloves P272: Contaminated work clothing must not be allowed out of the workplace. P321: Specific treatment (see supplementary first aid instructions on this Safety Data Sheet). P363: Wash contaminated clothing before reuse. P333+P313: If skin irritation or rash occurs: Get medical advice/attention. P302+P352: IF ON SKIN: Wash with plenty of water. P501: Dispose of contents/container in accordance with local / regional / national / international regulations.
Symbols and Indications of Danger:	GHS07: Warning 
Principle Route of Exposure:	The substance can be absorbed into the body through the skin and by ingestion
Acute Effects: Eye	May cause redness and irritation
Acute Effects: Skin:	Skin irritant
Acute Effects: Inhalation:	Data for 100% Sodium Dodecyl Sulfate: Sore throat, cough.
Acute Effects: Ingestion:	Data for 100% Sodium Dodecyl Sulfate: Nausea, vomiting, diarrhea
Chronic Effects:	Sodium Dodecyl Sulfate: Repeated or prolonged contact with skin may cause dermatitis.
Additional Information:	The product contains no substances which at their given concentration, are considered to be hazardous to health

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CHEMICAL</u>	<u>% Weight</u>	<u>CAS #:</u>	<u>Classification according to EC No. 1272/2008 and GHS - US</u>
Membrane Hybridization Buffer	Dextran Sulfate	10%	9011-18-1	Not classified
	Sodium Dodecyl Sulfate*	<2.5%	151-21-3	Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Skin Sens. 1, <u>H317;STOTSE3,H335</u>
	SSPE Buffer	10%	N/A	Not classified
	Water	~80%	7789-20-0	N/A

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* **Additional information:** The exact percentages of the ingredients of this mixture are considered to be proprietary and are withheld in accordance with the provisions of paragraph (i) of §1910.1200 of 29 CFR 1910.1200 Trade Secrets.

4. FIRST AID MEASURES

General Advice:	Wash contaminated clothing before reuse. Seek medical attention if necessary.
Oral Exposure:	Rinse mouth. Refer for medical attention.
Inhalation Exposure:	Supply fresh air; consult doctor in case of complaints.
Skin Exposure:	If skin irritation occurs, consult a doctor.
Eye Exposure:	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.
Ingestion / swallowing	If swallowed and symptoms occur, consult a doctor

5. FIRE FIGHTING MEASURES

Extinguishing media:	Foam, Alcohol Foam, CO2, Dry Chemical and Water / Fog
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 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 personal protective clothing to prevent skin and eye contact.
Environmental Precautions:	Do not allow to enter sewers/surface or ground water.
Method of Containment:	Absorb with liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, sawdust). Dispose of the collected material according to regulations.
Methods of Clean-up:	See Method of Containment
Other Information:	Not available

7. HANDLING AND STORAGE

Handling:	Wear appropriate PPE. Refer to section 8.
Storage:	No special requirements

8. EXPOSURE CONTROL

Respiratory Protection:	Not required
Eye Protection:	Safety goggles.
Skin Protection:	Protective gloves. Protective clothing.
Ingestion:	Do not eat, drink, or smoke during work.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Opaque
Physical State:	Liquid at room temperature
Odor:	Faint odor of fatty substances
Odor Threshold:	Not Available
pH:	Not Available
Boiling Point:	Not Available
Evaporation Rate:	Not Available
Vapor Density:	Not Available
Vapor Pressure:	Not Available
Relative Density:	Data for 100% Dodecyl Sulfate, Sodium Salt: 400 – 600 kg/m ³
Auto-Ignition Temperature:	Not Available
Water Solubility:	15 gm/100 mL at 20°C
Flammability:	Not Available
Flash Point:	Not Available
Viscosity:	Not Available
Oxidizing Properties:	Not Available
Explosive Properties:	Not Available
Additional Parameters:	Not Available

10. STABILITY AND REACTIVITY

Chemical Stability:	Stable under normal conditions
Conditions to avoid:	Data for 100% Dodecyl Sulfate, Sodium Salt: Reacts with strong oxidants and strong bases.
Incompatibility Materials to Avoid:	Not available
Hazardous Decomposition Products:	No dangerous decomposition products known
Hazardous Polymerization:	Will not occur
Possibility of hazardous reactions:	No dangerous reactions known

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:	Data for 100% Dodecyl Sulfate, Sodium Salt: LD50 1288mg/kg (rat)
LD50 Dermal:	Not available
LC50 Inhalation:	Data for 100% Dodecyl Sulfate, Sodium Salt: LC50/4 h: >3900 mg/l (rat)

Chronic Toxicity

Carcinogenicity:	Not Applicable
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Irritation:	May cause an allergic skin reaction. Data for 100% Dodecyl Sulfate, Sodium Salt: Risk phrases: R36/37/38 Irritating to the eyes, respiratory system and skin; R21/22 Harmful to in contact with skin and if swallowed.
Corrosivity:	Not Applicable
Sensitization:	Not Applicable
Neurological Effects:	Not Applicable
Mutagenic Effects:	Not Applicable
Reproductive Effects:	Not Applicable
Developmental Effects:	Not Applicable
Target Organ Effects:	Not Applicable
Other adverse effects:	Not Applicable

12. ECOLOGICAL MEASURES

Ecotoxicity:	Data for 100% Dodecyl Sulfate, Sodium Salt: Fish (Fundulus heteroclitus) Static 96hr LC50 1.2 mg/L (Slightly harmful in the aquatic environment or are otherwise designed for biocidal action).
Persistence/Degradability:	Data for 100% Dodecyl Sulfate, Sodium Salt: Rapidly degradable
Mobility in Environmental Media:	Not Available
Bioaccumulation/ Accumulation:	Data for 100% Dodecyl Sulfate, Sodium Salt: Fish (Proterorhinus marmoratus 240 day 15 °C 4mg/L BFC 7.15 (not bioaccumulative)

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 Regulated.
IATA:	Not Regulated.
ADR (road)/ RID (rail):	Not Regulated.
IMDG (sea):	Not Regulated.
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). This product contains no chemical or chemicals which are subject to the reporting requirements of the Act and Title 40n of the Code of Federal Regulations, Part 372.

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

Not Listed

State Regulations**California Proposition 65:** None of the ingredients are listed.**State Right to Know Act**

Chemical Name:	Dextran Sulfate Sodium	Sodium Dodecyl Sulfate	SSPE Buffer
Massachusetts	Not Listed	Not Listed	Not Listed
New Jersey	Not Listed	Not Listed	Not Listed
Pennsylvania	Not Listed	Not Listed	Not Listed
New York	Not Listed	Not Listed	Not Listed
Rhode Island	Not Listed	Not Listed	Not Listed

International Inventories

Chemical Name	Dextran Sulfate Sodium	Sodium Dodecyl Sulfate	SSPE Buffer
TSCA	Not Applicable	Listed	Not Applicable
DSL	Not Applicable	Listed	Not Applicable
NDSL	Not Applicable	Not Listed	Not Applicable
EINECS	Not Applicable	Listed	Not Applicable
ELINCS	Not Applicable	Not Listed	Not Applicable
CHINA	Not Applicable	Listed	Not Applicable
KECL	Not Applicable	Listed	Not Applicable
JAPAN:	Not Applicable	Listed	Not Applicable
AICS	Not Applicable	Listed	Not Applicable

EU Regulations

Annex I Index#:	None of the ingredients are lists.
Classification:	Not classified
Hazard Statements:	Not available
Precautionary Statements:	Not available
Symbols and Indications of Danger:	Not available
Specific Concentration Limits:	Not available

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.