

**SECTION 1: Product and Company Identification****Identification of the substance or mixture**

**Product Name:** Church & Gilbert's Hybridization Buffer  
**Catalog #:** 10366, 10366-1

**Company Identification**

Cepharm Life Sciences Inc.  
11830 W Market Place, Suite K  
Fulton, MD 20759  
USA  
Toll Free: 1-800-257-1565  
Phone: 410-636-4954

**24-hour Emergency Response for Hazardous Materials [or Dangerous Goods] Incident, Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC Toll Free: 1-800-424-9300/ +1 703-527-3887 CCN 1010970**

For Research Use Only. Not for use in diagnostic procedures.

**SECTION 2: Hazards identification****Classification of the substance or mixture**

Not classified

**GHS Label Elements, including Precautionary Statements**

No labeling applicable.

Hazards not otherwise classified (HNOC) or not covered by GHS - none

**SECTION 3: Composition / Information on Ingredients****Mixtures**

Synonyms: Church & Gilbert's Hybridization Buffer

Component	CAS-No.	Classification	Concentration
Bovine Serum Albumin	9048-46-8	n/a	1%
Ethylenediaminetetraacetic acid	60-00-4	n/a	0.372%
Sodium Phosphate (monobasic)	7558-80-7	n/a	6%
Sodium Dodecyl Sulfate	151-21-3	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Skin Irrit. 2, H315 Eye Irrit. 2, H319	7%

Full text of hazard classes and H-statements: see section 16

**SECTION 4: First Aid Measures****Description of first aid measures****If inhaled**

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

**In case of skin contact**

Wash off with soap and plenty of water.

**In case of eye contact**

Flush eyes with water as a precaution.

**If swallowed**

Never give anything by mouth to an unconscious person. Rinse mouth with water.

**Most important symptoms and effects, both acute and delayed**

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

**Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

## **SECTION 5: Firefighting Measures**

**Extinguishing Media**

**Suitable extinguishing media**

Water spray. Dry powder. Foam. Carbon dioxide

**Special hazards arising from the substance or mixture**

The product is non-reactive under normal conditions of use, storage and transport.

**Advice for firefighters**

Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

**Further information**

No data available

## **SECTION 6: Accidental Release Measures**

**Personal precautions, protective equipment and emergency procedures**

Avoid breathing vapors, mist or gas.

Ventilate spillage area.

Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

**Environmental precautions**

Avoid release to the environment.

**Methods and materials for containment and cleaning up**

Take up liquid spill into absorbent material.

Dispose of materials or solid residues at an authorized site.

**Reference to other sections**

For disposal see section 13.

## **SECTION 7: Handling & Storage**

**Precautions for safe handling**

Ensure good ventilation of the work station. Wear personal protective equipment.

Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

**Conditions for safe storage, including any incompatibilities**

Store in a well-ventilated place. Keep cool.

Storage Temperature: 4 °C

**Specific end use(s)**

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

## **SECTION 8: Exposure Controls / Personal Protection**

**Control parameters**

**Components with workplace control parameters**

Contains no substances with occupational exposure limit values.

**Exposure controls**

**Appropriate engineering controls**

Ensure good ventilation of the work station.

**Personal protective equipment**

**Eye/face protection**

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Skin protection**

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

**Body Protection**

impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Respiratory protection**

Respiratory protection not required. For nuisance exposures use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Control of environmental exposure**

Avoid release to the environment.

**SECTION 9: Physical and Chemical Properties****Information on basic physical and chemical properties**

a) Appearance	Form: liquid
b) Odor	No data available
c) Odor Threshold	No data available
d) pH	No data available
e) Melting point/freezing point	No data available
f) Initial boiling point and boiling range	No data available
g) Flash point	No data available
h) Evaporation rate	No data available
i) Flammability (solid, gas)	No data available
j) Upper/lower flammability or explosive limits	No data available
k) Vapour pressure	No data available
l) Vapour density	No data available
m) Relative density	No data available
n) Water solubility	No data available
o) Partition coefficient: n-octanol/water	No data available
p) Auto-ignition temperature	No data available
q) Decomposition temperature	No data available
r) Viscosity	No data available
s) Explosive properties	No data available
t) Oxidizing properties	No data available

**Other safety information**

no data available

**SECTION 10: Stability & Reactivity****Reactivity**

No data available

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

No dangerous reactions known under normal conditions of use.

**Conditions to avoid**

None under recommended storage and handling conditions (see section 7).

**Incompatible materials**

No additional information available

**Hazardous decomposition products**

No additional information available

**SECTION 11: Toxicological Information****Information on toxicological effects**

**Acute toxicity**  
no data available  
Inhalation: no data available  
Dermal: no data available  
no data available

**Skin corrosion/irritation**  
no data available

**Serious eye damage/eye irritation**  
no data available

**Respiratory or skin sensitization**  
no data available

**Germ cell mutagenicity**  
no data available

**Carcinogenicity**

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.  
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.  
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.  
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Reproductive toxicity**  
No data available

**Specific target organ toxicity - single exposure**  
No data available

**Specific target organ toxicity - repeated exposure**  
No data available

**Aspiration hazard**  
No data available

**Additional Information**  
RTECS: Not available

The sodium salt of dodecyl sulfate has been reported to cause pulmonary sensitization resulting in hyperactive airway dysfunction and pulmonary allergy accompanied by fatigue, malaise, and aching. Significant symptoms of exposure can persist for more than two years and can be activated by a variety of nonspecific environmental stimuli such as automobile exhaust, perfumes, and passive smoking. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

## SECTION 12: Ecological Information

**Toxicity**  
no data available

**Persistence and degradability**  
No data available

**Bio-accumulative potential**  
No data available

**Mobility in soil**  
No data available

**Results of PBT and vPvB assessment**  
PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

**Other adverse effects**  
no data available

## SECTION 13: Disposal Considerations

**Waste treatment methods**

**Product**

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

**Contaminated packaging**

Dispose of as unused product.

<b>SECTION 14: Transport Information</b>
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**DOT (US)**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

Not dangerous goods

<b>SECTION 15: Regulatory Information</b>
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**SARA 302 Components**

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313 Components**

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**SARA 311/312 Hazards**

Acute Health Hazard

**Massachusetts Right To Know Components**

No components are subject to the Massachusetts Right to Know Act.

**Pennsylvania Right To Know Components**

Water	CAS-No. 7732-18-5	Revision Date
Sodium dodecyl sulphate	151-21-3	

**New Jersey Right To Know Components**

Water	CAS-No. 7732-18-5	Revision Date
Sodium dodecyl sulphate	151-21-3	

**California Prop. 65 Components**

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

<b>SECTION 16: Other Information</b>
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**Full text of H-statements referred to under sections 2 and 3.**

H302 + H332	Harmful if swallowed or if inhaled
H312	Harmful in contact with skin.
H315	Causes skin irritation
H319	Causes serious eye irritation.

**HMIS Rating**

Health hazard:	0
Chronic Health Hazard:	
Flammability:	0
Physical Hazard	0

**NFPA Rating**

Health hazard:	0
Fire Hazard:	0
Reactivity Hazard:	0

**Disclaimer:**

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It does not represent any guarantee of the properties of the product. Cepham Life Sciences Incorporated and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.