

## SECTION 1: Product and Company Identification

### Identification of the substance or mixture

**Product Name:** Carbonate / Bicarbonate Buffer, pH 9.2  
**Catalog #:** 10364

### 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**

Eye Irritation (Category 2B) - Causes eye irritation

### **GHS Label Elements, including Precautionary Statements**

Pictogram   
Signal Word Warning

Hazard statements:  
H320 Causes eye irritation.

Precautionary statements:  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Classification system:

NFPA Ratings  
Health: 0  
Fire: 0  
Reactivity: 0

HMIS  
Health: 0  
Fire: 0  
Reactivity: 0

## SECTION 3: Composition / Information on Ingredients

### **Mixtures**

CAS No. n/a  
Formula: Sodium Carbonate Anhydrous and Sodium Bicarbonate, Water  
Molecular Weight: n/a

## SECTION 4: First Aid Measures

### Description of first aid measures

#### Inhalation

Remove to fresh air

#### Ingestion

Rinse mouth with water.

#### Skin Contact

Wash immediately with soap and water. Seek medical attention if irritation occurs.

#### Eye Contact

Rinse with thoroughly with plenty of water for at least 15 minutes. Seek medical attention.

## SECTION 5: Firefighting Measures

### Extinguishing media

Use extinguishing media suitable for surrounding area.

### Special Fire Fighting Procedures

Use firefighting procedures suitable for surrounding area.

### Unusual Fire and Explosion Hazards

None identified.

## SECTION 6: Accidental Release Measures

### Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Avoid breathing vapors, mist or gas. Keep unprotected persons away.

### Environmental precautions

Prevent further leakage if safe to do. Do not allow to enter sewers/surface or ground water.

### Methods and materials for containment and cleaning up

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust) and remove.

### Waste Disposal Method

Dispose in accordance with state, local and federal regulations

## SECTION 7: Handling & Storage

### Handling

#### Precautions for safe handling

No special precautions are necessary if used correctly.

### Conditions for safe storage, including any incompatibilities

#### Requirements to be met by storerooms and receptacles

Keep container tightly closed in a dry and well-ventilated place

### Further information about storage conditions

Keep receptacle securely sealed. Keep container upright to prevent leakage.

## SECTION 8: Exposure Controls / Personal Protection

### Control parameters

#### Components with workplace control parameters

Contains no substances with occupational exposure limit values.

### Personal protective equipment

#### General protective and hygienic measures

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

#### Eye/face protection

Tightly sealed safety glasses or face shield

**Skin protection**

Protective gloves; The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Dispose of gloves after use.

**Body Protection**

Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact

**Respiratory protection**

Particulate; Keep vapor levels as low as possible, use adequate general or local exhaust.

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

a) Appearance	Form: liquid Color: colorless
b) Odor	No data available
c) Odor Threshold	No data available
d) pH	9.2
e) Melting point/freezing point	851°C/ 1564°F
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	soluble
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**

Phosphorous pentoxide, sulfuric acid, zinc, lithium, moisture, calcium hydroxide and 2,4,6-trinitrotoluene. Reacts violently with acids to form carbon dioxide

**Hazardous Polymerization**

Will not occur

**Hazardous Decomposition**

Carbon oxides and sodium oxides may form under fire conditions

## SECTION 11: Toxicological Information

### Information on toxicological effects

#### Acute toxicity

##### LD/LC50 values that are relevant for classification:

Oral LD50 no data available

Inhalation no data available

Dermal LD50 no data available

### Potential health effects:

#### On the skin

May be harmful if absorbed through skin. May cause skin irritation.

#### On the eye

May cause eye irritation.

#### Inhalation

May be harmful if inhaled. May cause irritation to upper respiratory tract.

#### Ingestion

May be harmful if swallowed.

## 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

#### Other adverse effects

no data available

## SECTION 13: Disposal Considerations

### Waste treatment methods

#### Product

Dispose of waste in accordance to applicable national, regional, or local regulations.

#### Contaminated packaging

Disposal must be made according to official regulations.

## SECTION 14: Transport Information

#### DOT (US)

Not dangerous goods

#### IMDG

Not dangerous goods

#### IATA

Not dangerous goods

## SECTION 15: Regulatory Information

#### 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**

No data available

**SECTION 16: Other Information****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.