## SECTION 1: Identification

### 1.1. Identification
- **Product form**: Mixture
- **Trade name**: Rehydration Buffer
- **Product code**: 190802

### 1.2. Recommended use and restrictions on use
- **Recommended use**: Scientific research and development
- **Restrictions on use**: None known

### 1.3. Supplier
- Covaris, LLC
- 14 Gill St., Unit H,
- Woborn, MA 01801
- USA
- T +1 (781) 932-3959

### 1.4. Emergency telephone number
- **Emergency number**: Chemtrec (800) 424-9300

## SECTION 2: Hazard(s) identification

### 2.1. Classification of the substance or mixture
- **GHS US classification**: Not classified

### 2.2. GHS Label elements, including precautionary statements
- **GHS US labeling**: No labeling applicable

### 2.3. Other hazards which do not result in classification
- **No additional information available**

### 2.4. Unknown acute toxicity (GHS US)
- **Not applicable**

## SECTION 3: Composition/Information on ingredients

### 3.1. Substances
- **Not applicable**

### 3.2. Mixtures
- This mixture does not contain any substances to be mentioned according to the criteria of section 3.2 of HazCom 2012
# SECTION 4: First-aid measures

## 4.1. Description of first aid measures

<table>
<thead>
<tr>
<th>First-aid measures after inhalation</th>
<th>Move the affected person to fresh air. Get medical attention if symptoms occur.</th>
</tr>
</thead>
<tbody>
<tr>
<td>First-aid measures after skin contact</td>
<td>Gently wash with plenty of soap and water. Get medical advice if skin irritation persists.</td>
</tr>
<tr>
<td>First-aid measures after eye contact</td>
<td>Rinse with water. Get medical attention if irritation develops and persists.</td>
</tr>
<tr>
<td>First-aid measures after ingestion</td>
<td>Call a poison center or a doctor if you feel unwell.</td>
</tr>
</tbody>
</table>

## 4.2. Most important symptoms and effects (acute and delayed)

<table>
<thead>
<tr>
<th>Symptoms/effects</th>
<th>Inhalation</th>
<th>May cause minor irritation to the respiratory tract and to other mucous membranes.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Skin</td>
<td>May cause slight irritation to the skin.</td>
</tr>
<tr>
<td></td>
<td>Eyes</td>
<td>May cause slight irritation.</td>
</tr>
<tr>
<td></td>
<td>Ingestion</td>
<td>May cause gastrointestinal irritation, nausea, vomiting and diarrhea.</td>
</tr>
</tbody>
</table>

## 4.3. Immediate medical attention and special treatment, if necessary

Not required.

# SECTION 5: Fire-fighting measures

## 5.1. Suitable (and unsuitable) extinguishing media

<table>
<thead>
<tr>
<th>Suitable extinguishing media</th>
<th>Use extinguishing media appropriate for surrounding fire.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unsuitable extinguishing media</td>
<td>None.</td>
</tr>
</tbody>
</table>

## 5.2. Specific hazards arising from the chemical

<table>
<thead>
<tr>
<th>Fire hazard</th>
<th>This product is not classified as flammable or combustible.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hazardous decomposition products in case of fire</td>
<td>Toxic fumes may be released.</td>
</tr>
</tbody>
</table>

## 5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting | Do not attempt to take action without suitable protective equipment. |

# SECTION 6: Accidental release measures

## 6.1. Personal precautions, protective equipment and emergency procedures

<table>
<thead>
<tr>
<th>General measures</th>
<th>Wear suitable protective clothing. Avoid contact with eyes, skin and clothing.</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.1.1. For non-emergency personnel</td>
<td>Avoid contact with skin and eyes.</td>
</tr>
<tr>
<td>6.1.2. For emergency responders</td>
<td>Do not attempt to take action without suitable protective equipment. For further information refer to section 8: &quot;Exposure controls/personal protection&quot;.</td>
</tr>
</tbody>
</table>

## 6.2. Environmental precautions

Avoid release to the environment. None known.

## 6.3. Methods and material for containment and cleaning up

<table>
<thead>
<tr>
<th>Methods for cleaning up</th>
<th>Take up liquid spill into absorbent material.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Other information</td>
<td>Place in a suitable container for disposal in accordance with the waste regulations (see Section 13).</td>
</tr>
</tbody>
</table>
6.4. Reference to other sections
No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling: Avoid contact with skin and eyes. Wear personal protective equipment. Avoid contact with eyes, skin and clothing. Wash hands with water and soap. Ensure adequate ventilation.

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

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: No special storage required.
Incompatible materials: None known.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Rehydration Buffer
No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls: No particular/specific measures required.
Environmental exposure controls: Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:
Wear suitable gloves

Eye protection:
Use suitable eye protection

Skin and body protection:
None under normal conditions

Respiratory protection:
In operations where exposure limits are exceeded or exposure levels are excessive, an approved respirator should be used. Respirator selection and use should be based on contaminant type, form and concentration. Follow applicable regulations and good Industrial Hygiene practice.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Liquid
Appearance: Clear, colorless liquid.
Color: Colorless
Odor: None
Rehydration Buffer
Safety Data Sheet

Odor threshold: No data available
pH: 7.6
Melting point: Not applicable
Freezing point: No data available
Boiling point: 100 °C
Flash point: No data available
Relative evaporation rate (butyl acetate=1): No data available
Flammability (solid, gas): Not applicable.
Vapor pressure: No data available
Relative vapor density at 20°C: No data available
Relative density: No data available
Solubility: No data available
Partition coefficient n-octanol/water (Log Pow): No data available
Auto-ignition temperature: No data available
Decomposition temperature: No data available
Viscosity, kinematic: No data available
Viscosity, dynamic: No data available
Explosion limits: No data available
Explosive properties: No data available
Oxidizing properties: No data available

9.2. Other information
No additional information available

SECTION 10: Stability and reactivity

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

10.2. Chemical stability
Stable under normal conditions.

10.3. Possibility of hazardous reactions
No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid
None known.

10.5. Incompatible materials
None known.

10.6. Hazardous decomposition products
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Acute toxicity (oral): Not classified
Acute toxicity (dermal): Not classified
Acute toxicity (inhalation): Not classified
Rehydration Buffer
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- Skin corrosion/irritation: Not classified
  - pH: 7.6
- Serious eye damage/irritation: Not classified
  - pH: 7.6
- Respiratory or skin sensitization: Not classified
- Germ cell mutagenicity: Not classified
- Carcinogenicity: Not classified
- Reproductive toxicity: Not classified
- STOT-single exposure: Not classified
- STOT-repeated exposure: Not classified
- Aspiration hazard: Not classified
- Viscosity, kinematic: No data available
- Symptoms/effects: May cause slight temporary irritation.
  - Inhalation: May cause minor irritation to the respiratory tract and to other mucous membranes.
  - Skin: May cause slight irritation to the skin.
  - Eyes: May cause slight irritation.
  - Ingestion: May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

SECTION 12: Ecological information

12.1. Toxicity
Ecology - general: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

12.2. Persistence and degradability
No additional information available

12.3. Bioaccumulative potential
No additional information available

12.4. Mobility in soil
No additional information available

12.5. Other adverse effects
No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods
Regional legislation (waste): Dispose of in accordance with applicable federal, state, and local regulations.
Waste treatment methods: Dispose of contents/container in accordance with licensed collector’s sorting instructions.

SECTION 14: Transport information
In accordance with DOT / TDG / IMDG / IATA

<table>
<thead>
<tr>
<th>DOT</th>
<th>TDG</th>
<th>IMDG</th>
<th>IATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.1. UN number</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Not regulated for transport</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Rehydration Buffer
Safety Data Sheet

<table>
<thead>
<tr>
<th>DOT</th>
<th>TDG</th>
<th>IMDG</th>
<th>IATA</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>14.2. Proper Shipping Name</strong></td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td><strong>14.3. Transport hazard class(es)</strong></td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td><strong>14.4. Packing group</strong></td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td><strong>14.5. Environmental hazards</strong></td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

No supplementary information available

**14.6. Special precautions for user**

**DOT**
No data available

**TDG**
No data available

**IMDG**
No data available

**IATA**
No data available

**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable

**SECTION 15: Regulatory information**

**15.1. US Federal regulations**
All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

**15.2. International regulations**

**CANADA**
No additional information available

**EU-Regulations**
No additional information available

**National regulations**

**Rehydration Buffer**
All chemical substances in this product are listed in the EPA (Environment Protection Agency) TSCA (Toxic Substances Control Act) Inventory
15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16: Other information


Safety Data Sheet (SDS), USA

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 should not therefore be construed as guaranteeing any specific property of the product.