Section 1: Product Identification

Product Name: SICKLEDEX® Buffer Reagent
Synonyms: Qualitative solubility test kit for detection of sickling hemoglobins
CAS Number: Mixture, N/A
Product Use: Testing for the presence of sickling hemoglobins in human blood or sickle cell control material.

Manufacturer: Streck
Address: 7002 S. 109 St, La Vista, NE, 68128

24hr (Chem.-Tel): 1-800-255-3924

Section 2: Hazards Identification

Classification:
- Skin Sensitization, category 1
- Reproductive Toxicity, category 2

Label Elements: Container labeling is not required on medical devices per 29CFR1910.1200(b)(5).
- Symbol: Skull and Crossbones, Health hazard
- Signal Word: Danger

Hazard Statements:
- May cause an allergic skin reaction
- Suspected of damaging fertility or the unborn child

Precautionary Statements:
* Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.
- Avoid breathing dust/fume/gas/mist/vapors/spray. Wear protective gloves/ protective clothing/ eye protection/ face protection. Wash skin thoroughly after handling. Do not eat, drink or smoke when using this product.
- Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.
- Specific treatment: IF SWALLOWED: Rinse mouth. Immediately call a POISON CENTER or doctor/physician. IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/ attention. IF exposed or concerned: Get medical attention.
- Store locked up. Avoid release to the environment. Dispose of contents/ container to an approved waste disposal plant.

*Special instructions refer to Instructions for Use (IFU) and labeling.

Other hazards: No data available
Section 3: Composition

<table>
<thead>
<tr>
<th>CAS #</th>
<th>Hazardous Component</th>
<th>Synonyms</th>
<th>% by weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>79-07-2</td>
<td>2-Chloracetamide</td>
<td>N/A</td>
<td>0.1</td>
</tr>
</tbody>
</table>

Section 4: First Aid Measures

List specific first aid measures for:
1. **Skin Contact** – Wash off with soap and plenty of water. Take victim to hospital and consult a physician.
2. **Eye contact** – Flush eyes with water.
3. **Ingestion** – Rinse mouth with plenty of water. Never give anything by mouth to an unconscious person. Consult a physician.
4. **Inhalation** - Move to fresh air. Call a physician or poison control center immediately. If breathing stops provide artificial respiration.

Most important symptoms and effects, both acute and delayed:
Allergic skin reaction

Indication of immediate medical attention and special treatment needed:
No data available

Section 5: Fire Fighting Measures

<table>
<thead>
<tr>
<th>Suitable Extinguishing media</th>
<th>Alcohol resistant foam, dry chemical or carbon dioxide.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Special hazards arising from the chemical</td>
<td>Carbon Dioxides, Nitrogen oxides (NOx), Hydrogen Chloride gas</td>
</tr>
<tr>
<td>Special protective equipment and precautions for fire-fighters.</td>
<td>Self-contained respiratory device as needed.</td>
</tr>
</tbody>
</table>

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures
- PPE needed for clean up: Respiratory protection and PPE as detailed in section 8.
- Evacuate personnel to safe areas.
- Avoid dust formation and breathing dust, vapors, mist or gas.
- Ensure adequate ventilation.

Methods and materials for containment and cleaning up
- **Spill clean-up procedure**: Sweep up and shovel taking care not to create dust. Keep in suitable, closed containers for disposal.
- **Follow-up guidelines**: Prevent further leakage or spillage. Do not let product enter drains and avoid discharge into the environment.
Section 7: Handling and Storage

Refer to Instructions for Use (IFU) and labeling for handling and storage.

<table>
<thead>
<tr>
<th>Handling</th>
<th>Wear appropriate PPE and use in a well-ventilated area.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Storage</td>
<td>Store tightly capped in a well-ventilated place.</td>
</tr>
<tr>
<td>Temp</td>
<td>2 – 30°C</td>
</tr>
<tr>
<td>Avoid</td>
<td>Contact with skin and eyes and formation of dust and aerosols. Strong oxidizing agents, strong acids, strong bases, and strong reducing agents.</td>
</tr>
</tbody>
</table>

Section 8: Exposure Control and Personal Protection

Control parameters: Does not contain substances with occupational exposure limit values.

Engineering control recommendations:
As supplied, use general room ventilation. Avoid contact with skin, eyes and clothes. Wash hands after handling the product.

Individual protection measures:
PPE: Standard Laboratory:
Eye/ Face: NIOSH (US) or EN 166 (EU) approved face shield and safety glasses.
Skin: Handle with gloves and utilize proper glove removal technique to avoid skin contact. Wash and dry hands.
Body: Lab coat or chemical suit.
Additional suggestions: Where room ventilation is not sufficient utilize a NIOSH (US) or EN 166 (EU) approved air-purifying respirator.

Section 9: Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Physical State</th>
<th>Liquid</th>
<th>Color</th>
<th>White</th>
</tr>
</thead>
<tbody>
<tr>
<td>Odor</td>
<td>No data available</td>
<td>Odor Threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>7.0 ± 0.5</td>
<td>Melting/ Freezing point</td>
<td>116-118°C (241-244°F)</td>
</tr>
<tr>
<td>Boiling point</td>
<td>No data available</td>
<td>Boiling range</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash Point</td>
<td>No data available</td>
<td>Evaporation rate</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability</td>
<td>No data available</td>
<td>Upper/lower flammability</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive limits</td>
<td>No data available</td>
<td>Vapor pressure</td>
<td>0.07 hPa (0.05mmHG at 20°C (68°F))</td>
</tr>
<tr>
<td>Vapor density</td>
<td>No data available</td>
<td>Relative density</td>
<td>No data available</td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td>No data available</td>
<td>Partition coefficient: n-octanol water</td>
<td>No data available</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>No data available</td>
<td>Decomposition Temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>No data available</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Section 10: Stability and Reactivity

1. **Reactivity**: No data available.
2. **Chemical Stability**: Stable under recommended storage conditions.
3. **Possibility of hazardous reactions**: No data available.
4. **Conditions to avoid**: No data available.
5. **Incompatible materials**: Strong oxidizing agents, strong acids, strong bases, and strong reducing agents.
6. **Hazardous decomposition products**: No data available. In the event of fire see section 5.

Section 11: Toxicological Properties

| Toxicological effects:          | No data available          |
| Route(s) of exposure:           | No data available          |
| Symptoms:                       | No data available          |
| Delayed effects:                | No data available          |
| Immediate effects:              | No data available          |
| Chronic effects:                | Short exposure: No data available |
|                                | Long exposure: No data available |
| Exposure limits                 | No data available          |
| Carcinogenicity                 | Not listed as carcinogens or suspect carcinogens |

Section 12: Ecological Information

| Ecotoxicity:                   | Acute aquatic effects: LC50- *Carassius auratus* (goldfish) – 19.8 mg/L – 96 h, EC50- *Daphnia magna* (Water flea) – 14 mg/l – 48 h |

Section 13: Disposal Considerations

To the best of our knowledge, this material does not require special disposal considerations. Adhere to local, state and federal regulations with regard to disposal of this product.

Section 14: Transport Information

**DOT:**
- **Proper Shipping Name**: Toxic Liquids, organic, n.o.s. (2-Chloracetamide)
- **Hazard Class**: 6.1
- **UN**: UN2810
- **Packing Group**: III
IATA:
   Proper Shipping Name: Toxic Liquids, organic, n.o.s. (2-Chloracetamide)
   Hazard Class: 6.1
   IATA UN: UN2810
   Packing Group: III

Section 15: Regulatory Information

No Data Available

Section 16: Other

NFPA Ratings: Health 2, Fire 1, Reactivity 0

This product is intended for use as supplied.

Streck provides no warranties, either express or implied. It assumes no responsibility for the accuracy or completeness of this safety data sheet.

Date of preparation/ last revision: January 21, 2019