**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

1. **Product identifier**
   - **Product form:** Mixture
   - **Product name:** RSID Extraction Buffer
   - **Product code:** RSID02

2. **Relevant identified uses of the substance or mixture and uses advised against**
   - **Use of the substance/preparation:** Reagent

3. **Details of the supplier of the safety data sheet**
   - SIRCHIE Finger Print Laboratories
   - 100 Hunter Place
   - 27596 Youngsville, NC - USA
   - T 919-554-2244; 800-356-7311 - F 919-554-2266; 800-899-8181
   - [http://www.sirchie.com](http://www.sirchie.com)

4. **Emergency telephone number**
   - **Emergency number:** 1.800.424.9300

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**SECTION 2: Hazards identification**

1. **Classification of the substance or mixture**
   - **Classification (GHS-US):** Not classified

2. **Label elements**
   - **GHS-US labeling:**
     - **Hazard statements (GHS-US):** If this product is used as indicated it is unlikely that any adverse health issues will occur. Inhalation or ingestion of significant amounts may cause respiratory irritation and/or gastric disturbances. This product is not considered toxic under Federal Hazardous Substances Act regulations, Title 16, Part 1500. USA: This product is not a hazardous material as defined by 29 CFR1910.1200, OSHA Hazard Communication Evaluation. This product meets the definition of an "article".
     - H315 - Causes skin irritation
     - H320 - Causes eye irritation

   - **Precautionary statements (GHS-US):**
     - P202 - Do not handle until all safety precautions have been read and understood
     - P280 - Wear eye protection, protective gloves.
     - P302+P352 - IF ON SKIN: Wash with plenty of soap and water
     - P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
     - P314 - Get medical advice and attention if you feel unwell.

3. **Other hazards**
   - **Other hazards not contributing to the classification:** None under normal conditions.

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**SECTION 3: Composition/information on ingredients**

1. **Substances**
   - Not applicable

2. **Mixtures**
   - **Name** | **Product identifier** | **%** | **Classification (GHS-US)**
   - sodium chloride | (CAS No.7647-14-5) | 80 | Not classified
   - potassium chloride | (CAS No.7447-40-7) | 2 | Not classified
   - sodium azide | (CAS No.7682-22-8) | 0.01 | Not classified
   - Non-hazardous as defined in 29 CFR 1910.1200 | | | Not classified
SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general: It is anticipated that no First Aid treatment will be necessary after using this product. IF exposed or concerned: Get medical advice/attention.

First-aid measures after inhalation: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.

First-aid measures after skin contact: Gently wash with plenty of soap and water.

First-aid measures after eye contact: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

4.2. Most important symptoms and effects, both acute and delayed

No additional information available

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: EXTINGUISHING MEDIA FOR SURROUNDING FIRES:

Unsuitable extinguishing media: No unsuitable extinguishing media known.

5.2. Special hazards arising from the substance or mixture

Fire hazard: No fire hazard.

Reactivity: No reactivity hazard other than the effects described in sub-sections below.

5.3. Advice for firefighters

No additional information available

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

No additional information available

6.3. Methods and material for containment and cleaning up

No additional information available

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

No additional information available

7.2. Conditions for safe storage, including any incompatibilities

Technical measures: Comply with applicable regulations.

Storage conditions: Keep container closed when not in use.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.2. Exposure controls

Personal protective equipment: Gloves. Safety glasses.
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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Liquid</td>
</tr>
<tr>
<td>Appearance</td>
<td>Clear, colorless liquid.</td>
</tr>
<tr>
<td>Color</td>
<td>colorless.</td>
</tr>
<tr>
<td>Odor</td>
<td>odorless.</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative evaporation rate (butyl acetate=1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>No data available</td>
</tr>
<tr>
<td>Freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>No data available</td>
</tr>
<tr>
<td>Self ignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative vapor density at 20 °C</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>No data available</td>
</tr>
<tr>
<td>Solubility</td>
<td>Soluble in water.</td>
</tr>
<tr>
<td>Log Pow</td>
<td>No data available</td>
</tr>
<tr>
<td>Log Kow</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, dynamic</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive limits</td>
<td>No data available</td>
</tr>
</tbody>
</table>

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No reactivity hazard other than the effects described in sub-sections below.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No reactivity hazard other than the effects described in sub-sections below.

10.4. Conditions to avoid

Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

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

<table>
<thead>
<tr>
<th>Effect</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>Not classified</td>
</tr>
<tr>
<td>Serious eye damage/irritation</td>
<td>Not classified</td>
</tr>
<tr>
<td>Respiratory or skin sensitization</td>
<td>Not classified</td>
</tr>
<tr>
<td>Germ cell mutagenicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Specific target organ toxicity (single exposure)</td>
<td>Not classified</td>
</tr>
</tbody>
</table>
**RSID Extraction Buffer**  
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### Specific target organ toxicity (repeated exposure)
- Not classified

### Aspiration hazard
- Not classified

## SECTION 12: Ecological information

### 12.1. Toxicity
No additional information available

### 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. Waste treatment methods
No additional information available

## SECTION 14: Transport information

In accordance with ADR / RID / ADNR / IMDG / ICAO / IATA

### 14.1. UN number
- Not applicable

### 14.2. UN proper shipping name
- Not applicable

### 14.3. Additional information
- Other information: No supplementary information available.

#### Overland transport
No additional information available

#### Transport by sea
No additional information available

#### Air transport
No additional information available

## SECTION 15: Regulatory information

### 15.1. US Federal regulations
No additional information available

### 15.2. International regulations

#### CANADA
No additional information available

#### EU-Regulations
No additional information available

#### Classification according to Regulation (EC) No. 1272/2008 [CLP]

#### Classification according to Directive 67/548/EEC or 1999/45/EC
Not classified

### 15.2. National regulations
No additional information available
SECTION 16: Other information

NFPA health hazard : 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.
NFPA fire hazard : 0 - Materials that will not burn.
NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.

HMIS III Rating
Health : 1 Slight Hazard - Irritation or minor reversible injury possible
Flammability : 0 Minimal Hazard
Physical : 0 Minimal Hazard
Personal Protection : G

SDS US (GHS HazCom 2012)

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