## 1. PRODUCT AND COMPANY IDENTIFICATION

### 1.1 Product Identifier

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Product Number(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Barcoded Overhang Adapter Kit- 8B</td>
<td>101-628-500</td>
</tr>
</tbody>
</table>

**Other means of identification**

This product is a box containing 9 reagent tubes.

<table>
<thead>
<tr>
<th>Subcomponent Name</th>
<th>Part #</th>
<th># tubes</th>
<th>Cap Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>Barcoded Overhang Adapter bc1015</td>
<td>101-657-200</td>
<td>1</td>
<td>White</td>
</tr>
<tr>
<td>Barcoded Overhang Adapter bc1016</td>
<td>101-657-300</td>
<td>1</td>
<td>Red</td>
</tr>
<tr>
<td>Barcoded Overhang Adapter bc1017</td>
<td>101-657-400</td>
<td>1</td>
<td>Orange</td>
</tr>
<tr>
<td>Barcoded Overhang Adapter bc1018</td>
<td>101-657-500</td>
<td>1</td>
<td>Yellow</td>
</tr>
<tr>
<td>Barcoded Overhang Adapter bc1019</td>
<td>101-657-600</td>
<td>1</td>
<td>Green</td>
</tr>
<tr>
<td>Barcoded Overhang Adapter bc1020</td>
<td>101-657-700</td>
<td>1</td>
<td>Blue</td>
</tr>
<tr>
<td>Barcoded Overhang Adapter bc1021</td>
<td>101-657-800</td>
<td>1</td>
<td>Purple</td>
</tr>
<tr>
<td>Barcoded Overhang Adapter bc1022</td>
<td>101-657-900</td>
<td>1</td>
<td>Light Purple</td>
</tr>
</tbody>
</table>

### 1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

**Identified Use**
For use with the Pacific Biosciences RSII and PacBio® Sequel® system.

**Restrictions on Use**
FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES.

### 1.3 Details of the Supplier of the Substance or Mixture

<table>
<thead>
<tr>
<th>Supplier Name and Address</th>
<th>Supplier phone</th>
</tr>
</thead>
</table>

**Supplier phone**
+1 650-521-8000

### 1.4 Emergency Telephone Number

<table>
<thead>
<tr>
<th>Within USA &amp; Canada</th>
<th>Outside USA and Canada</th>
</tr>
</thead>
<tbody>
<tr>
<td>Call CHEMTREC 1-800-424-9300 (reference CCN# 656805)</td>
<td><a href="mailto:techsupport@pacb.com">techsupport@pacb.com</a></td>
</tr>
</tbody>
</table>

## 2. HAZARD(S) IDENTIFICATION

### 2.1 Classification of the substance or mixture

The kit is not a hazardous substance or mixture. Subcomponents are classified as follows.

<table>
<thead>
<tr>
<th>Subcomponent Name</th>
<th>Part #</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Barcoded Overhang Adapter bc1015</td>
<td>101-657-200</td>
<td>Not a hazardous substance or mixture.</td>
</tr>
<tr>
<td>Barcoded Overhang Adapter bc1016</td>
<td>101-657-300</td>
<td>Not a hazardous substance or mixture.</td>
</tr>
<tr>
<td>Barcoded Overhang Adapter bc1017</td>
<td>101-657-400</td>
<td>Not a hazardous substance or mixture.</td>
</tr>
<tr>
<td>Barcoded Overhang Adapter bc1018</td>
<td>101-657-500</td>
<td>Not a hazardous substance or mixture.</td>
</tr>
<tr>
<td>Barcoded Overhang Adapter bc1019</td>
<td>101-657-600</td>
<td>Not a hazardous substance or mixture.</td>
</tr>
<tr>
<td>Barcoded Overhang Adapter bc1020</td>
<td>101-657-700</td>
<td>Not a hazardous substance or mixture.</td>
</tr>
<tr>
<td>Barcoded Overhang Adapter bc1021</td>
<td>101-657-800</td>
<td>Not a hazardous substance or mixture.</td>
</tr>
<tr>
<td>Barcoded Overhang Adapter bc1022</td>
<td>101-657-900</td>
<td>Not a hazardous substance or mixture.</td>
</tr>
</tbody>
</table>

### 2.2 GHS Label Elements and precautionary statements

Not a hazardous substance or mixture.

### 2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

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1 Classification in accordance with 29CFR1910 (OSHA HCS) and UN Globally Harmonized system of classification and labelling of chemicals
3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

<table>
<thead>
<tr>
<th>Common Name and Synonyms</th>
<th>Barcoded Overhang Adapter Kit- 8B</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS Number</td>
<td>None</td>
</tr>
<tr>
<td>Other unique identifiers</td>
<td>None</td>
</tr>
</tbody>
</table>

3.2 Hazardous components

No ingredients are hazardous according to OSHA or GHS criteria.

4. FIRST AID MEASURES

4.1 Description of First Aid Measures

General advice: Consult a physician. Show this safety data sheet to the physician.

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

In case of skin contact: Wash off with water.

In case of eye contact: Flush eyes with water.

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

4.2 Most important symptoms/effects, both acute and delayed

No data available. Refer to section 2.2 and section 11 for additional information.

4.2 Indication of any immediate medical attention and special treatment needed

No data available

5. FIRE-FIGHTING MEASURES

5.1 Suitable Extinguishing Media

Dry chemical, carbon dioxide, foam or water.

5.2 Special hazards arising from the substance or mixture

Combustion will produce oxides of carbon, nitrogen and sulfur.

5.3 Advice for firefighters (special protective equipment or precautions)

Wear self-contained breathing apparatus for fire-fighting as necessary.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Avoid breathing vapors, mists or gas. For personal protection see section 8.0.

6.2 Environmental precautions

Avoid release to the environment. Report spills and releases as required to appropriate authorities.

6.3 Methods and materials for cleanup

Wear personal protective equipment, wipe up with paper towel (or similar), and contain in closed containers.

6.4 Reference to other sections

For disposal see section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Utilize standard good lab practices. Use in a well-ventilated area and wear standard PPE.

7.2 Conditions for safe storage, including any incompatibilities

Keep containers tightly closed at the recommended storage temperature.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control Parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure Controls

Appropriate engineering controls:

General industrial hygiene practice. No special ventilation required for normal use.

Personal Protective Equipment (PPE):

Eye/Face Protection | Safety glasses
<table>
<thead>
<tr>
<th>Skin and Body Protection</th>
<th>Latex or nitrile gloves; lab coat /apron</th>
</tr>
</thead>
<tbody>
<tr>
<td>Respiratory Protection</td>
<td>None required</td>
</tr>
</tbody>
</table>

### 9. PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1 Information on basic physical and chemical properties

- **Appearance**: Each reagent tube contains clear colorless liquid.
- **Odor**: None
- **Odor Threshold**: Not applicable
- **pH**: 7.0-8.0
- **Melting point/freezing point**: No data available.
- **Initial boiling point and boiling range**: No data available
- **Flash point**: No data available
- **Evaporation rate**: No data available
- **Flammability (solid, gas)**: No data available
- **Upper/lower flammability limit**: No data available
- **Vapor pressure**: No data available
- **Relative density**: No data available
- **Solubility(ies)**: No data available
- **Partition coefficient: n-octanol/water**: No data available
- **Auto-ignition temperature**: No data available
- **Decomposition temperature**: No data available
- **Viscosity**: No data available

### 10. STABILITY AND REACTIVITY

- **Reactivity**: This product is not reactive under normal conditions of storage and use.
- **Chemical Stability**: Stable under recommended storage conditions.
- **Possibility of Hazardous Reactions**: No data available
- **Conditions to Avoid**: No data available
- **Incompatible Materials**: Avoid contact with strong oxidizers
- **Hazardous Decomposition Products**: No data available. In the event of fire see section 5.

### 11. TOXICOLOGICAL INFORMATION

#### 11.1 Information on likely routes of exposure

- **The most likely route of exposure is via skin or eye contact. Exposure via inhalation or ingestion is less likely.**

#### 11.2 Symptoms related to the physical, chemical and toxicological characteristics

- **No data available**

#### 11.3 Delayed and immediate effects and also chronic effects from short and long-term exposure

- **Eyes**: No data available
- **Skin**: No data available
- **Inhalation**: No data available
- **Ingestion**: No data available
- **Chronic Effects**: No data available
- **Aggravated Medical Conditions**: No data available
- **Interactions with other Chemicals**: No data available

#### 11.4 Numerical measures of toxicity

- **Acute toxicity**: No data available
- **Skin corrosion/irritation**: No data available
- **Serious eye damage/irritation**: No data available
- **Respiratory or skin sensitization**: No data available
- **Germ cell mutagenicity**: No data available
- **Reproductive toxicity**: No data available
<table>
<thead>
<tr>
<th>Specific target organ toxicity</th>
<th>No data available</th>
</tr>
</thead>
</table>

**11.5 Carcinogenicity**

No ingredients in this product are listed as carcinogens by ACGIH, IARC, NTP or OSHA.

**12. ECOLOGICAL INFORMATION**

<table>
<thead>
<tr>
<th>Ecotoxicity</th>
<th>No data available</th>
</tr>
</thead>
<tbody>
<tr>
<td>Persistence and Degradability</td>
<td>No data available</td>
</tr>
<tr>
<td>Bioaccumulative Potential</td>
<td>No data available</td>
</tr>
<tr>
<td>Mobility in soil</td>
<td>No data available</td>
</tr>
<tr>
<td>Results of PBT and vPvB Assessment</td>
<td>None Required</td>
</tr>
<tr>
<td>Other adverse effects</td>
<td>No data available</td>
</tr>
</tbody>
</table>

**13. DISPOSAL CONSIDERATIONS**

Dispose all waste in accordance with local, regional and national regulations.

<table>
<thead>
<tr>
<th>Product</th>
<th>See above</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contaminated Packaging</td>
<td>See above</td>
</tr>
</tbody>
</table>

**14. TRANSPORT INFORMATION**

Transportation of this product is not regulated under ICAO, IMDG or US DOT.

**15. REGULATORY INFORMATION**

**15.1 USA Federal Regulations**

<table>
<thead>
<tr>
<th>SARA 302</th>
<th>No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302</th>
</tr>
</thead>
<tbody>
<tr>
<td>SARA 313</td>
<td>This material does not contain any chemical components with known CAS numbers that exceed the threshold reporting levels established by SARA Title III, Section 313</td>
</tr>
<tr>
<td>SARA 311/312</td>
<td>No SARA 311/312 hazards</td>
</tr>
<tr>
<td>TSCA</td>
<td>Research use only</td>
</tr>
</tbody>
</table>

**15.2 USA State Regulations**

| CA Prop 65 | This product does not contain any chemicals known to the State of California to cause cancer or adverse reproductive health effects |

**16. OTHER INFORMATION**

**Prepared By**

Pacific Biosciences of California, Inc.
Environment, Health and Safety
1305 O’Brien Drive
Menlo Park, CA 94025
U.S.A.
safety@pacb.com

**Further Information**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. It is not a warranty or quality specification. This information relates only to the specific material designated and may not be valid for use in combination with any other material or in any other process.

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