## Safety Data Sheet

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Homebrew PSA Capture</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Description</strong></td>
<td>A capture antibody to be used on the Quanterix instrument (Simoa) for the detection and quantification of purified proteins. Kit consists of a mixture of reagents that are non-hazardous, non-toxic and non-infectious compounds; not for human use.</td>
</tr>
<tr>
<td><strong>Manufacturer</strong></td>
<td>Quanterix Corporation</td>
</tr>
<tr>
<td><strong>Address</strong></td>
<td>900 Middlesex Turnpike, Building 1, Billerica, MA 01821</td>
</tr>
<tr>
<td><strong>Product Number</strong></td>
<td>100463</td>
</tr>
<tr>
<td><strong>SDS Issued</strong></td>
<td>20 May 2019</td>
</tr>
<tr>
<td><strong>Telephone</strong></td>
<td>(617) 301-9400</td>
</tr>
<tr>
<td><strong>Intended Use of the Product</strong></td>
<td>For Research Use Only. Not for Diagnostic Purposes.</td>
</tr>
</tbody>
</table>

### 2. HAZARDS IDENTIFICATION

**Classification of the Substance or Mixture**

**Classification (GHS-US)**

Not classified

**Label Elements**

**GHS-US Labeling**

Not applicable

**Other Hazards**

No additional information available

**Unknown Acute Toxicity (GHS-US):**

No data available
COMPOSITION – INFORMATION ON INGREDIENTS

Homebrew PSA Capture

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS No.</th>
<th>Percent Composition</th>
<th>EINECS number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>90-100%</td>
<td>Not classified</td>
</tr>
<tr>
<td>Sodium phosphate, dibasic</td>
<td>7558-79-4</td>
<td>1-10%</td>
<td>231-448-7</td>
</tr>
<tr>
<td>Potassium phosphate, Monobasic</td>
<td>7778-77-0</td>
<td>0.01-0.1%</td>
<td>231-913-4</td>
</tr>
<tr>
<td>Potassium chloride</td>
<td>7447-40-7</td>
<td>0.01-0.1%</td>
<td>231-211-8</td>
</tr>
<tr>
<td>Sodium Chloride</td>
<td>7647-14-5</td>
<td>0.1-1%</td>
<td>231-598-3</td>
</tr>
<tr>
<td>Anti-human PSA clone antibody</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

3. FIRST AID MEASURES
   Description of First Aid Measures
      First-aid Measures General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
      First-aid Measures After Inhalation: When symptoms occur: go into open air and ventilate suspected area.
      First-aid Measures After Skin Contact: Remove contaminated clothing. Drench affected area with water for at least 15 minutes.
      First-aid Measures After Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
      First-aid Measures After Ingestion: Rinse mouth. Do NOT induce vomiting.

Most important symptoms and effects, both acute and delayed
      Symptoms/Injuries: None expected under normal conditions of use.
      Symptoms/Injuries After Skin Contact: Contact during a long period may cause light irritation.
      Symptoms/Injuries After Eye Contact: Direct contact with the eyes is likely irritating.
      Symptoms/Injuries After Ingestion: May be harmful if swallowed. Indication of Any Immediate Medical Attention and Special Treatment Needed. If medical advice is needed, have product container or label at hand.
4. **FIRE FIGHTING MEASURES**

5.1. **Extinguishing Media**
Suitable Extinguishing Media: Alcohol foam, polymer foam, dry chemical powder, carbon dioxide, water spray, fog.
Unsuitable Extinguishing Media: None known.

5.2. **Special Hazards Arising From the Substance or Mixture**
Fire Hazard: Not flammable.
Explosion Hazard: Product is not explosive.
Reactivity: If the product is involved in a fire, it can release toxic chlorine gases.

5.3. **Advice for Firefighters**
Firefighting Instructions: Exercise caution when fighting any chemical fire.
Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

5. **ACCIDENTAL RELEASE MEASURES**

6.1. **Personal Precautions, Protective Equipment and Emergency Procedures**
General Measures: Do not breathe fumes from fires or vapours from decomposition.

6.1.1. **For Non-emergency Personnel**
Protective Equipment: Use appropriate personal protection equipment (PPE).

6.1.2. **For Emergency Responders**
Protective Equipment: Equip cleanup crew with proper protection.
Emergency Procedures: Ventilate area.

6.2. **Environmental Precautions**
Prevent entry to sewers and public waters.

6.3. **Methods and Material for Containment and Cleaning Up**
For Containment: Absorb and/or contain spill with inert material, then place in suitable container.
Methods for Cleaning Up: Clear up spills immediately and dispose of waste safely.

6.4. **Reference to Other Sections**
See heading 8, Exposure Controls and Personal Protection.

6. **HANDLING AND STORAGE**
Handling: Refer to section 8. Wear appropriate personal protective equipment when using this product.
Storage: Storage at 2-8 degrees Celsius.
7. EXPOSURE CONTROLS, PERSONAL PROTECTION

8.1. Control Parameters
No Occupational Exposure Limits (OELs) have been established for this product or its chemical components.

8.2. Exposure Controls
Appropriate Engineering Controls: Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure.
Personal Protective Equipment: Gloves, in case of splash hazard; safety glasses.
Hand Protection: Wear chemically resistant protective gloves.
Eye Protection: Chemical goggles or safety glasses.
Other Information: When using, do not eat, drink or smoke.

8. PHYSICAL AND CHEMICAL PROPERTIES
Appearance: Clear Liquid
Odor: Odorless
Solubility: Miscible in water
Physical state: Liquid
Melting Point: Not Available
Boiling Point: Not Available
Vapor Pressure: Not Available
Vapor Density: Not Available
pH: 7.0-8.0
Evaporation Rate: Not Available

9. STABILITY AND REACTIVITY
Incompatibility: (materials to avoid) None known
Stability: Stable
Hazardous Polymerization: None
Conditions to Avoid: None
10. TOXICOLOGICAL INFORMATION

11.1. Information On Toxicological Effects

Acute Toxicity: Not classified

<table>
<thead>
<tr>
<th>Substance</th>
<th>LD50 Oral Rat</th>
<th>LC50 Inhalation Rat (mg/l)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potassium chloride (7447-40-7)</td>
<td>2600 mg/kg</td>
<td></td>
</tr>
<tr>
<td>Dihydrogen potassium phosphate (7778-78-0)</td>
<td>&gt; 4640 mg/kg</td>
<td></td>
</tr>
<tr>
<td>Sodium chloride (7647-14-5)</td>
<td>3 g/kg</td>
<td>&gt; 42 g/m³{Exposure time: 1 h}</td>
</tr>
<tr>
<td>Mix. 3(2H)-isothiazolone, 5-chloro-2-methyl- with 2-methyl-3(2H)-isothiazolone (55965-84-9)</td>
<td>53 mg/kg</td>
<td></td>
</tr>
</tbody>
</table>

Skin Corrosion/Irritation: Not classified
Serious Eye Damage/Irritation: Not classified
Respiratory or Skin Sensitization: Not classified
Germ Cell Mutagenicity: Not classified
Carcinogenicity: Not classified
Reproductive Toxicity: Not classified
Specific Target Organ Toxicity (Single Exposure): Not classified
Specific Target Organ Toxicity (Repeated Exposure): Not classified
Aspiration Hazard: Not classified
Symptoms/Injuries After Skin Contact: Contact during a long period may cause light irritation.
Symptoms/Injuries After Eye Contact: Direct contact with the eyes is likely irritating.
Symptoms/Injuries After Ingestion: May be harmful if swallowed.

11. ECOLOGICAL INFORMATION

Data not yet available.

12. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national and international regulations.

13. TRANSPORTATION INFORMATION

To the best of our knowledge, this product is not regulated as a hazardous material.

14. REGULATORY INFORMATION
US Federal Regulations

Potassium chloride (7447-40-7)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

Dihydrogen potassium phosphate (7787-77-0)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

Sodium chloride (7647-14-5)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

Water (7732-18-5)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

Polyoxyethylene sorbitan monolaureate (9005-64-5)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

US State Regulations

Potassium chloride (7447-40-7)
U.S. - Texas - Effects Screening Levels - Long Term
U.S. - Texas - Effects Screening Levels - Short Term

Sodium chloride (7647-14-5)
U.S. - Texas - Effects Screening Levels - Long Term
U.S. - Texas - Effects Screening Levels - Short Term

Polyoxyethylene sorbitan monolaureate (9005-64-5)
U.S. - Texas - Effects Screening Levels - Long Term
U.S. - Texas - Effects Screening Levels - Short Term

15. OTHER INFORMATION

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