Material Safety Data Sheet

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

<table>
<thead>
<tr>
<th>Product Name</th>
<th>PSA Detector Bulk</th>
<th>Manufacturer</th>
<th>Quanterix Corporation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>The reagent is a mixture of salts, surfactant, preservatives and purified protein to be used on Quanterix instrument (Simoa). Non-toxic, non-infectious. Only for laboratory use; not for human use.</td>
<td>Address</td>
<td>113 Hartwell Avenue</td>
</tr>
</tbody>
</table>

Product Number | 100044 | Lexington, MA 02421 |
MSDS Issued | September 25, 2015 | Telephone | (617) 301-9400 |
CHEMTREC | (800) 424-9300 | Customer # 21132 |

Intended Use of the Product
Immunooassay on Simoa HD-1; For Research Use Only. Not for Diagnostic Purposes.

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
3. COMPOSITION – INFORMATION ON INGREDIENTS

### PSA Detector Bulk

<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>Ethylenediaminetetraacetic acid disodium salt dehydrate</td>
<td>6381-92-6</td>
<td>0.1-1%</td>
<td>200-449-4</td>
</tr>
<tr>
<td>Newborn Calf Serum (NCS)</td>
<td>Unlisted</td>
<td>0.01-0.1%</td>
<td>Unlisted</td>
</tr>
<tr>
<td>Mixture, 3(2H)-isothiazolone, 5-chloro-2-methyl- with 2-methyl-3(2H)-isothiazolone</td>
<td>55965-84-9</td>
<td>0.1-1%</td>
<td>Unlisted</td>
</tr>
<tr>
<td>Tween 20</td>
<td>9005-64-5</td>
<td>0.1-1%</td>
<td>Unlisted</td>
</tr>
<tr>
<td>Protein blockers</td>
<td>Unlisted</td>
<td>0.1-1.0%</td>
<td>Unlisted</td>
</tr>
<tr>
<td>Anti-human PSA clone antibody</td>
<td>Unlisted</td>
<td>Not applicable</td>
<td>Unlisted</td>
</tr>
</tbody>
</table>

*These ingredients, within the current knowledge of the supplier and in the concentrations applicable, are not classified as hazardous to health or to the environment.

4. 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.
5. **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.

6. **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.

7. **HANDLING AND STORAGE**

Handling: Refer to section 8. Wear appropriate personal protective equipment when using this product.

Storage: Storage at 2-8 degrees Celsius.
8. 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.

9. 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

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

11.1. Information On Toxicological Effects

Acute Toxicity: Not classified

<table>
<thead>
<tr>
<th>Compound</th>
<th>LD50 Oral Rat (mg/kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potassium chloride (7447-00-7)</td>
<td>2600</td>
</tr>
<tr>
<td>Dihydrogen potassium phosphate (7758-04-0)</td>
<td>&gt; 4640</td>
</tr>
<tr>
<td>Sodium chloride (7647-14-5)</td>
<td>3 g/kg</td>
</tr>
<tr>
<td>Dermal Rabbit</td>
<td>&gt; 16 g/kg</td>
</tr>
<tr>
<td>LC50 Inhalation Rat (mg/l)</td>
<td>&gt; 42 g/m³ / 1 h</td>
</tr>
<tr>
<td>Mixture, 3(2H)-isothiazolone, 5-chloro-2-methyl- with 2-methyl-3(2H)-isothiazolone (55965-84-9)</td>
<td>53 mg/kg</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.

12. ECOLOGICAL INFORMATION

Data not yet available.

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

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

14. TRANSPORTATION INFORMATION

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

15. REGULATORY INFORMATION
16. **OTHER INFORMATION**

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