Safety Data Sheet

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

<table>
<thead>
<tr>
<th>Product Name</th>
<th>PSA Bead Reagent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>A reagent 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>Manufacturer</td>
<td>Quanterix Corporation</td>
</tr>
<tr>
<td>Address</td>
<td>900 Middlesex Turnpike, Building 1, Billerica, MA 01821</td>
</tr>
<tr>
<td>Product Number</td>
<td>100351</td>
</tr>
<tr>
<td>SDS Issued</td>
<td>20 May 2019</td>
</tr>
<tr>
<td>Telephone</td>
<td>(617) 301-9400</td>
</tr>
<tr>
<td>Intended Use of the Product</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
3. COMPOSITION – INFORMATION ON INGREDIENTS

PSA Bead Reagent

<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>Tris(hydroxymethyl)aminomethane</td>
<td>77-86-1</td>
<td>0.1-1%</td>
<td>201-064-4</td>
</tr>
<tr>
<td>Tris(hydroxymethyl)aminomethane hydrochloride</td>
<td>118-53-1</td>
<td>0.1-1%</td>
<td>214-684-5</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 dihydrate</td>
<td>6381-92-6</td>
<td>0.1-1%</td>
<td>200-449-4</td>
</tr>
<tr>
<td>Bovine Serum Albumin</td>
<td>9048-46-8</td>
<td>1-10%</td>
<td>232-936-2</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>Antifoaming agent</td>
<td>Unlisted</td>
<td>0.01-0.1%</td>
<td>Unlisted</td>
</tr>
<tr>
<td>Carboxylated paramagnetic beads (microparticles), 2.7 um conjugated with anti-human PSA (prostate specific) antibody</td>
<td>Unlisted</td>
<td>0.01-0.1%</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.
5. **FIRE FIGHTING MEASURES**

5.1. **Extinguishing Media**
Suitable Extinguishing Media: Alcohol foam, polymer foam, dry chemical powder, carbon dioxide, water spray, fog.

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

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Toxicity</td>
<td>Not classified</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Substance</th>
<th>Route</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potassium chloride (7447-40-7)</td>
<td>Oral</td>
<td>2600 mg/kg</td>
</tr>
<tr>
<td>Dihydrogen potassium phosphate (7778-78-0)</td>
<td>Dermal Rabbit</td>
<td>&gt;4640 mg/kg</td>
</tr>
<tr>
<td>Sodium chloride (7647-14-5)</td>
<td>Oral</td>
<td>3 g/kg</td>
</tr>
<tr>
<td></td>
<td>Dermal Rabbit</td>
<td>&gt;10 g/kg</td>
</tr>
<tr>
<td>LC50 Inhalation Rate (mg/l)</td>
<td></td>
<td>&gt;42 g/m³ (Exposure time: 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>Oral</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

Disclaimer:
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