# Material Safety Data Sheet

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Manufacturer</th>
<th>Quanterix Corporation</th>
</tr>
</thead>
<tbody>
<tr>
<td>p24 Bead concentrate</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Description
A mixture of magnetic beads, surfactant and preservatives to be used on Quanterix instrument (Simoa) for the detection and quantification of purified proteins. Non-toxic, non-infectious. Only for laboratory use; not for human use.

<table>
<thead>
<tr>
<th>Address</th>
<th>113 Hartwell Avenue</th>
</tr>
</thead>
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<table>
<thead>
<tr>
<th>Product Number</th>
<th>100689</th>
</tr>
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<table>
<thead>
<tr>
<th>MSDS Issued</th>
<th>July 8, 2015</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Telephone</th>
<th>(617) 301-9400</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>CHEMTREC Customer #</th>
<th>(800) 424-9300 Customer # 21132</th>
</tr>
</thead>
</table>

**Intended Use of the Product**
Immunoassay 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

p24 Bead Concentrate

<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 dehydrate</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>Anti-p24 antibody</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

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.

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.
Prohibition 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 hazards; 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</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><strong>Mixture, 3(2H)-isothiazolone, 5-chloro-2-methyl- with 2-methyl-3(2H)-isothiazolone (55965-84-9)</strong></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.

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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