Material Safety Data Sheet

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

<table>
<thead>
<tr>
<th>Product Name</th>
<th>p24 Detector Concentrate</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 101375
MSDS Issued January 14, 2016
Telephone (617) 301-9400
CHEMTREC (800) 424-9300
Customer # 21132

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 Detector 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>Sodium phosphate, dibasic</td>
<td>7558-79-4</td>
<td>0.1-10%</td>
<td>231-448-7</td>
</tr>
<tr>
<td>Sodium phosphate, Monobasic</td>
<td>10049-21-5</td>
<td>0.01-0.1%</td>
<td>231-449-2</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>0.1-1%</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>Anti-p24 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 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>Oral Rat (LD50)</th>
<th>Dermal Rabbit (LD50)</th>
<th>Inhalation LD50 (LC50)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potassium chloride (7447-40-7)</td>
<td>2600 mg/kg</td>
<td>&gt; 4640 mg/kg</td>
<td></td>
</tr>
<tr>
<td>Dihydrogen potassium phosphate (7778-78-0)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sodium chloride (7647-14-5)</td>
<td>3 g/kg</td>
<td>&gt; 10 g/kg</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></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50 Oral Rat</td>
<td>53 mg/kg</td>
<td></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 Mutation: 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
US Federal Regulations

<table>
<thead>
<tr>
<th>Chemical</th>
<th>TSCA Inventory</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potassium chloride</td>
<td>Listed</td>
</tr>
<tr>
<td>Dihydrogen potassium phosphate</td>
<td>Listed</td>
</tr>
<tr>
<td>Sodium chloride</td>
<td>Listed</td>
</tr>
<tr>
<td>Water</td>
<td>Listed</td>
</tr>
<tr>
<td>Polyoxyethylene sorbitan monolaurate</td>
<td>Listed</td>
</tr>
</tbody>
</table>

US State Regulations

<table>
<thead>
<tr>
<th>Chemical</th>
<th>Screening Levels</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potassium chloride</td>
<td>Long Term, Short Term</td>
</tr>
<tr>
<td>Sodium chloride</td>
<td>Long Term, Short Term</td>
</tr>
<tr>
<td>Polyoxyethylene sorbitan monolaurate</td>
<td>Long Term, Short Term</td>
</tr>
</tbody>
</table>

16. **OTHER INFORMATION**

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