Section 1: Chemical Product and Company Identification

Cat#: 24199A
Part Name: 4% POTASSIUM FERROCYANIDE IN DIS TILLED WATER
Supplier: Polysciences, Inc.
400 Valley Road
Warrington, PA 18976 USA
MSDS Telephone #215-343-6484 Emergency only #215-378-4526

Section 2: Hazards Identification

Hazard Overview
Low hazard for usual industrial or commercial handling.
GHS Classification
Non-Hazardous

Signal word: non-hazard

Hazard and Precautionary Statements

<table>
<thead>
<tr>
<th>Item#</th>
<th>Name</th>
<th>EINECS</th>
<th>CAS#</th>
<th>% in product</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Ferrate(4-), hexakis(cyano-C)-, tetrapotassium, trihydrate</td>
<td>Unknown</td>
<td>0014459951</td>
<td>0 - 5</td>
</tr>
<tr>
<td>2</td>
<td>Water</td>
<td>231-791-2</td>
<td>0007732185</td>
<td>91 - 100</td>
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</table>

Section 4: First Aid Measures

Contact medical personnel.
Flush eyes with flowing water for at least 15 minutes.
Separate eyelids with finger tips.
Wash skin with deluge of water for at least 15 minutes.

Section 5: Fire Fighting Measures

Flash point, deg F.: >200
Method: no data
UEL: no data
LEL: no data
Autoignition temperature, deg. F.: no data
Flammability Classification: no data
Flame Propagation Rate: no data
Hazardous Combustion Products: no data

Section 6: Accidental Release Measures

Any information listed below is to be considered in addition to internal guidelines for isolation of spill, containment of spill, removal of ignition sources from immediate area, and collection for disposal of spill by trained, properly protected clean up personnel.

No special measures are indicated.

Section 7: Handling and Storage

Store at room temp

Section 8: Exposure Controls/ Personal Protection
The use of eye protection in the form of safety glasses with side shields and the use of skin protection for hands in the form of gloves are considered minimum and non-discretionary in work places and laboratories. Any recommended personal protection equipment or environmental equipment is to be considered as additional to safety glasses and gloves.

No special protection is indicated.

Chemical-resistant gloves should be worn whenever this material is handled. The glove material has to be impermeable and resistant to the product. Gloves should be removed and replaced immediately if there is any indication of degradation or chemical breakthrough. Rinse and remove gloves immediately after use. Wash hands with soap and water. All glove recommendations presume that the risk of exposure is through splash and not intentional immersion of the hands into the product.

Since glove permeation data does not exist for this material, no recommendation for the glove material can be given for the product. Permeation data must be obtained from the glove manufacturer to determine if the glove is suitable for the task.

### Section 9: Physical and Chemical Properties

**Formula:** K4Fe(CN)6  
**Formula Weight:** no data  
**Vapor pressure:** no data  
**Boiling point:** 212  
**Specific gravity:** 1.04  
**Melting point:** 32  
**Ph:** no data  
**Solubility:** no data  
**Appearance:** clear yellow liquid

### Section 10: Stability and Reactivity

**Chemical Stability:** stable  
**Conditions to Avoid:** none  
**Incompatibility with other materials:** none  
**Hazardous Decomposition Products:** n  
**Hazardous Polymerization:** will not occur

### Section 11: Toxicological Information

**Acute Data:** no data  
**Subchronic data:** no data

### Section 12: Ecological Information

no data

### Section 13: Disposal Considerations

The following chart lists the status of the chemical and its components in reference to 40 CFR Part 261.33. If the product is listed by code number the substance may be subject to special federal and state disposal regulations. If no codes are listed the material must be disposed in compliance with all Federal, State and Local Regulations.

<table>
<thead>
<tr>
<th>CAS#</th>
<th>Waste Code</th>
<th>Regulated Name</th>
<th>TWA ppm</th>
<th>STEL ppm</th>
<th>CEILING ppm</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>mg/</td>
<td>mg/m³</td>
<td>mg/m³</td>
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<tr>
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<td>not listed</td>
<td>not listed</td>
<td>NE</td>
<td>NE</td>
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</tr>
</tbody>
</table>

### Section 14: Transportation Data

**Proper Shipping Name:** NOT REGULATED  
**Chemical Name:**  
**UN:**  
**Class:**  
**PG:**

### Section 15: Regulatory Information

All components of this product are on the TSCA public inventory.

All components of this product are on the TSCA public inventory.
Section 16: Other Information

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END OF MSDS