Potassium Ferrocyanide, 10%

1. Identification

**Product Name:** Potassium Ferrocyanide, 10%

**Synonyms:** Potassium Hexacyanoferrate (II) Trihydrate Solution

**Recommended Use:** N/A

**Manufacturer/Supplier:** Avantik Biogroup
32 Commerce Street
Springfield, NJ 07081
1-888-392-8411

**In Case of Emergency:**
Chemtrec US 1-800-424-9300
Chemtrec International 703-527-3887

2. Hazards Identification

**OSHA Hazard Classification(s):**
No OSHA Hazard Classifications Applicable

**Signal Word:** N/A

**Hazard Statement(s):** N/A

**Pictogram(s):** N/A

**Precautionary Statement(s):** None applicable.

**Descriptions of Hazards not otherwise classified:** N/A

**Percent of mixture with unknown acute toxicity:** N/A

3. Composition and Information on Ingredients

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Common Name</th>
<th>CAS #</th>
<th>Concentration %</th>
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</thead>
<tbody>
<tr>
<td>Water</td>
<td></td>
<td>7732-18-5</td>
<td>90</td>
</tr>
<tr>
<td>Potassium Ferrocyanide Trihydrate</td>
<td></td>
<td>14459-95-1</td>
<td>10</td>
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4. First Aid Measures

**Eye Contact:** Flush eyes with water as a precaution.

**Skin Contact:** Wash off with plenty of water. Remove contaminated clothing and launder before reuse as a precaution.

**Inhalation:** Move person to fresh air; give artificial respiration if breathing has stopped.

**Ingestion:** Never give anything by mouth to an unconscious person. Rinse mouth with water. Get medical attention if discomfort occurs.

**Symptoms:** N/A

**Recommendations for immediate medical care/special treatment:** If exposure by any route causes irritation get medical advice/attention.

5. Fire-Fighting Measures

**Extinguishing Media:** Dry chemical, carbon dioxide, alcohol foam, water.

**Fire Hazards (Chemical):** Not flammable.

**Special Protective Equipment:** Fire fighters should use self-contained breathing apparatus and protective clothing.

**Precautions for Firefighters:** Fire fighters should use self-contained breathing apparatus and protective clothing.

6. Accidental Release Measures

**Emergency Procedures:** Evacuate the area of all unnecessary personnel. Wear suitable protective equipment. Eliminate all sources of ignition and provide ventilation.

**Protective Equipment:** See section 8

**Environmental Precautions:** Prevent release to the environment by using barriers.

**Containment and Clean-Up Procedures:** Use barriers to prevent spreading. Collect spill in container. Call waste authorities.
7. Handling and Storage
Handling: Do not breathe vapors. Do not eat, drink or smoke when using this product.

8. Exposure Controls/Personal Protection
OSHA Permissible Exposure Limits (PELs):

<table>
<thead>
<tr>
<th>Reagent</th>
<th>CAS #</th>
<th>OSHA PEL TWA</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
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</table>

ACGIH Threshold Limit Values (TLVs):

<table>
<thead>
<tr>
<th>Reagent</th>
<th>CAS #</th>
<th>ACGIH PEL TLV</th>
<th>ACGIH STEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
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</table>

Engineering Controls: Use in a well ventilated area to prevent exposure. Maintain eyewash fountain and quick-drench facilities in work areas.
Personal Protective Measures: Wear gloves, lab coat, eye protection and impervious footwear. Contact lenses should not be worn when working with this material.
Special PPE Requirements: If ventilation hood not available wear respirator.

9. Physical and Chemical Properties Section
Appearance: Yellow, Liquid
Molecular Weight: N/A
Molecular Formula: N/A
pH: N/A
Boiling Point and Boiling Range: N/A
Melting Point/Freezing Point: N/A
Flash Point: N/A
Specific Gravity/Relative Density: N/A
Odor: N/A
Odor Threshold: N/A
Color: Yellow
Flammability (solid/gas): N/A
Vapor Density: N/A
Upper/Lower flammability or explosive limits: N/A
Vapor Pressure: N/A
Evaporation Rate: N/A
Partition Coefficient: n-octanol/water: N/A
Viscosity: N/A
Auto-ignition temperature: N/A
Solubility: N/A
Decomposition Temperature: N/A

10. Stability and Reactivity
Reactivity: N/A
Chemical Stability: Stable
Conditions of Stability/Instability: N/A
Stabilizers needed: None
Safety issue indicated by appearance change: N/A
Potassium Ferrocyanide, 10%

Other: N/A
Hazardous Reactions: N/A
Hazardous Polymerization: Does not occur
Conditions to avoid: N/A
Classes of Incompatible Materials: Oxidizers, Strong Acids, Strong Bases
Hazardous Decomposition Products: Thermal-oxidation degradation can produce oxides of carbon. Toxic gases and vapors (i.e. Carbon monoxide) may be released in a fire.

11. Toxicological Information
Likely Routes of Exposure
   Eyes: Irritation.
   Skin: Irritation.
   Inhalation: Dizziness, headache.
   Ingestion: Nausea.

Signs or Symptoms of Exposure: Nausea,
Effects from short term exposure (delayed, immediate, chronic): Irritation to the eyes, nose, throat; headache, dizziness, nausea.
Acute Toxicity (Numerical Measures): N/A
Carcinogenicity (NTP, IARC, OSHA): N/A

12. Ecological Information
Ecotoxicity:
Persistence and degradability:
Bioaccumulation Potential (octanol-water partition coefficient, BCF):
Mobility in the soil:
Adverse Environmental Effects:

13. Disposal Considerations
Recommended Disposal Containers: Check with your local waste authorities*
Recommended Disposal Methods: Do not dispose of in drains, check with your local waste authorities.*
Physical/Chemical Properties affecting Disposal: See section 2 and section 9 applicable information.*
Special Precautions for Landfill and Incineration Activities: Check with your local waste authorities.*
Waste Stream: Consult your local or regional authorities.*

14. Transport Information
UN Number: Not regulated.
UN Proper Shipping Name:
Transport Hazard Class(es):
Packing Group Number:
Environmental Hazards (IMDG code):
Marine Pollutant:
Transport in Bulk (IBC Code):
Special Transport Precautions:

15. Regulatory Information
OSHA:
DOT:
EPA:
CPSC:
16. Other Information
Revision Date: 03/05/2015

NFPA
Health  3
Fire Hazard  0
Reactivity  0
Specific Hazard

National Fire Protection Association (USA) NFPA
Fire Hazard
Health  3  0
Reactivity
Specific Hazard

HMIS
Health  3
Flammability  0
Physical Hazard  0
Personal Protection

Hazardous Material Information System HMIS

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