Material Safety Data Sheet

POTASSIUM FERROCYANIDE

Section 1 - Chemical Product and Company Identification

**MSDS Name:** Potassium Ferrocyanide  
**Catalog Numbers:** SO-705

**Company Identification:** ROWLEY BIOCHEMICAL  
10 ELECTRONICS AVENUE  
DANVERS, MA 01923

**For information, call:** 978-739-4883  
**Emergency Number:** 800-424-9300  
**For CHEMTREC assistance, call:** 800-424-9300

Section 2 - Hazards Identification

**GHS Classifications**

**Health Hazards**

H303 Acute Oral Toxicity: 5  
H313 Acute Dermal Toxicity: 5  
H316 Skin Corrosion/ Skin Irritation: 3  
H320 Eye Damage/ Irritation: 2B  
H373 Specific Target Organ Toxicity: 2

**PHYSICAL HAZARDS**

Not Classified

**ENVIRONMENTAL HAZARDS**

**Aquatic acute environmental Hazards:** Not Classified  
**Chronic environmental Hazards:** Not Classified

**Pictograms or Hazard symbols and hazard statement**

- **Warning:** May be harmful if swallowed  
- **Warning:** May be harmful in contact with skin  
- **Warning:** Causes mild skin irritation  
- **Warning:** Causes eye irritation

May cause damage to lungs and mucous membranes through prolonged exposure
**Precautionary Statement Prevention**

**H303 + H313**  
P312 Call a POISON CENTER/ doctor/physician if you feel unwell

**H316**  
P332 + P313 If skin irritation occurs, get medical advice/attention.

**H320**  
P264 Wash thoroughly after handling.

**P305 + P351 + P338** If in eyes, rinse cautiously with water for several minutes.

**P337 + P313** If eye irritation persists, get medical advice/attention.

**H373**  
P260 Do not breathe fume/gas/mist/vapors.

**P314** Get medical advice/attention if you feel unwell.

**P501** Dispose of contents/container in accordance with local/regional/national/international regulations.

**WARNING!** May be IRRETTING to skin and eyes. Avoid all routes of exposure including contact and inhalation. May cause damage to lungs and mucous membranes through prolonged exposure.

### Section 3 - Composition, Information on Ingredients

<table>
<thead>
<tr>
<th>CAS#</th>
<th>Chemical Name</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>14459-95-1</td>
<td>Potassium Ferrocyanide</td>
<td>100</td>
</tr>
</tbody>
</table>

### Section 4 - First Aid Measures

**Eye Exposure:** In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

**Dermal Exposure:** In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Seek immediate medical advice.

**Oral Exposure:** If Swallowing seek immediate medical advice.

**Inhalation Exposure:** If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

### Section 5 - Fire Fighting Measures
NFPA HEALTH 1 FLAMMABILITY 0 REACTIVITY 0

Firefighters should wear proper protective clothing and self contained breathing apparatus with full piece operated in positive pressure mode to prevent contact with skin and eyes. **Extinguishing Media:** Use water spray, dry chemical powder, or appropriate foam. **Flash Point:** N/A **Auto ignition Temperature:** N/A **Explosion Limits:** N/A **Upper:** N/A

### Section 6 - Accidental Release Measures

**Procedure(s) of Personal Precaution(s):**
Wear protective gear.

**Methods for Cleaning up:** Absorb with sand, earth or vermiculite. Carefully sweep up and containerize for proper disposal.

### Section 7 - Handling and Storage

Use care when handling. Avoid contact with skin, eyes and clothing. Store at room temperature.

### Section 8 - Exposure Controls, Personal Protection

**Engineering Controls:**
Mechanical exhaust

**Personal Protective Equipment:**
Other: Wear appropriate government approved respirator, chemical-resistant gloves, safety goggles, other protective clothing.

### Section 9 - Physical and Chemical Properties

**Physical State:** Liquid

**Appearance:** Clear, Light Yellow and Sediment Free

**pH:** 8.95 +/- 1.0

**Cas# 7732-18-5 Water**

**Vapor Pressure:** 2.3 kPa @ 20deg. C

**Vapor Density:** 0.62 (Air=1)

**Evaporation Rate:** N/A

**Viscosity:** N/A

**Boiling Point:** 100 deg. C

### Section 10 - Stability and Reactivity
**Chemical Stability:** Stable at room temperature in closed containers under normal storage and handling conditions.

**Hazardous Decomposition Products:** Nitrogen oxides, Carbon monoxide and carbon dioxide.

**Hazardous Polymerization:** Will not occur.

**Incompatibilities with other material:** Oxidizing agents and acids.

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**Section 11 - Toxicological Information**

**Cas# 14459-95-1**

**Oral (LD50): Acute:** 6400mg/kg [Rat] 5000 mg/kg [Mouse]

**Route of exposure:**
- Multiple routes: May cause irritation. May be harmful by inhalation, ingestion, or skin absorption.

**Chronic Effects on Humans:** The substance may cause damage to lungs and mucus membranes through prolonged exposure

**Conditions aggravated by exposure:**
- The toxicological properties have not been thoroughly investigated.

**Carcinogenic Effects:** Not Available

**Mutagenic Effects:** Not Available

**Teratogenic Effects:** Not Available

**Developmental Toxicity:** Not Available

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**Section 12 - Ecological Information**

**Ecotoxicity:**

**CAS# 14459-95-1**

**Environmental:** No information available.

**Physical:** No information available.

**Other:** No information available.

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**Section 13 - Disposal Considerations**

**Appropriate method of disposal of substance or preparation:**
Handled as hazardous waste and sent to an RCRA approved incinerator or disposed in an RCRA approved wasted facility.

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**Section 14 – Transport Information**

**DOT**
Non-Regulated

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**Section 15 - Regulatory Information**
US Classification and label test
US Statements: Caution: Irritant to skin and eyes.

United States Regulatory Information
SARA Listed: No

Canada Regulatory Information
WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

DSL: no
NDSL: no

European/International Regulations
European Labeling in Accordance with EC Directives

Risk Phrases:
- R22 Harmful if swallowed
- R36/37/38 Irritating to eyes, respiratory system and skin
- R48/20/22 Harmful: damage of serious damage to health by prolonged exposure through inhalation and if swallowed

Safety Phrases:
- S20/21 When using do not eat, drink or smoke
- S2 Keep out of the reach of children
- S7 Keep container tightly closed
- S9 Keep container in a well-ventilated place
- S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
- S24/25 Avoid contact with skin and eyes
- S36 Wear suitable protective clothing

Section 16 - Additional Information

MSDS Creation Date: February 15, 1990
Revision #1 8/20/13 MH
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