

Material Safety Data Sheet

# POTASSIUM FERROCYANIDE, 4%

## Section 1 - Chemical Product and Company Identification

**MSDS Name:** Potassium Ferrocyanide, 4%

**Catalog Numbers:** SO-730

**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

H316 Skin Corrosion/ Skin Irritation: 3

H320 Eye Damage/ Irritation: 2B

#### Pictograms:



Warning! May be harmful if swallowed.

Causes mild skin irritation

Causes eye irritation

#### Precautionary statements:

**P264** Wash thoroughly after handling.

**P305 + P351 + P338** IF IN EYES, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**P312** Call a physician if you feel unwell.

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

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

### Section 3 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent
14459-95-1	Potassium Ferrocyanide	4 w/v
7732-18-5	Water	100 v/v

### 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:** 7.6 – 9.6

**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.

## 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 mucous 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

## Section 12 - Ecological Information

**Ecotoxicity:**

**CAS#** 14459-95-1

**Environmental:** No information available.

**Physical:** No information available.

**Other:** No information available.

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.

Section 14 – Transport Information

**DOT**

Non-Regulated

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
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**MSDS Creation Date:** February 15, 1990

**Revision #1** 5/2/14 YM cosign: CF 7/10/14

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