

Material Safety Data Sheet

POTASSIUM FERROCYANIDE, 5%

Section 1 - Chemical Product and Company Identification

MSDS Name: Potassium Ferrocyanide, 5%
Catalog Numbers: E-329-4 J-603-1 J-605-2 SO-407

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
H373 Specific Target Organ Toxicity: 2

Pictograms:



Warning! May be harmful if swallowed.
Causes mild skin irritation
Causes eye irritation



May cause damage to
lungs and mucous membranes
through prolonged exposure

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.

H373

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

P314 Get medical advice/attention if you feel unwell.

H272

P210 Keep away from heat, flames, and hot surfaces. No smoking.

P220 Store away from combustible materials. Incompatible with: reducing agents, easily oxidized materials, organic materials and metal powders.

P221 Take any precaution to avoid mixing with combustibles.

P370 + P378 In case of fire (see section 5)

Section 3 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent
14459-95-1	Potassium Ferrocyanide	5 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 waste 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

MSDS Creation Date: February 15, 1990

Revision #1 8/20/13 MH

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