

Material Safety Data Sheet

POTASSIUM FERROCYANIDE, 2%

Section 1 - Chemical Product and Company Identification

MSDS Name: Potassium Ferrocyanide, 2%
Catalog Numbers: B-161-1A B-170-1 B-167-2 J-613-1 SO-406

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	2 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: 7.00 – 9.00

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

MSDS Creation Date: February 15, 1990

Revision #1 8/20/13 MH

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Rowley Biochemical, Inc. be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Rowley Biochemical, Inc. has been advised of the possibility of such damages.