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Note: The CHEMTREC phone number is only for emergencies involving spills, leaks, fire, exposure or accident. Please direct all other inquiries to our customer service phone number.

#### **Section I - Product Identification**

An aqueous solution of potassium ferrocyanide.

#### Section II - Hazards Identification

Overview: May be harmful if swallowed. May be irritating to skin, eyes and respiratory tract.

### **Safety Ratings**

Health: Slight Flammability: None Reactivity: None Contact: Slight Recommended safety equipment: safety goggles, lab coat and proper gloves

Storage: General storage

NFPA Ratings

Health = 1 Flammability = 0 Reactivity = 0

#### **Potential Health Effects**

The toxicology of this compound have not been completely examined. It is presumed that the toxicity of this item is similar to other iron compounds.

Inhalation: May be irritating.

Ingestion: While the toxicity of this compound is low, large doses may cause nausea, vomiting, diarrhea, etc.

Skin contact: Not normally a problem.

Eye contact: May be irritating. Chronic Exposure: Unknown.

Aggravation of preexisting conditions: Unknown.

# **Section III - Composition/Information on Components**

Ingredients	CAS#	OSHA Pel	ACGIH TLV	Other Limits	%
Potassium ferrocyanide	13943-58-3				3% v/v

### Section IV - First Aid Measures

Inhalation: Remove from source of exposure and get medical attention for any breathing difficulty.

Ingestion: If the victim is conscious, induce vomiting. Never give anything by mouth to an unconscious person.

Skin Contact: Wash affected area with soap and water. Get medical advice if irritation develops.

Eye Contact: Rinse thoroughly with running water. Get medical advice if irritation develops.



### Section V - Fire Fighting Measures

Flash point: Not applicable.

Flammable Limits: Not applicable.

Explosion: Not Normally an explosion hazards.

Fire Extinguishing Media: Any means suitable for surrounding fire.

Special information: Pyrolysis will release corrosive oxides and cyanide.

#### Section VI - Accidental Release Measures

Absorb with a suitable absorbent (such as paper towels) and store in a suitable container for disposal.

# Section VII - Handling and Storage

Store in a closed container, protected from freezing.

## **Section VIII - Exposure Control/Personal Protection**

Airborne Exposure Limits: See section III.

Ventilation System: Usually not required. When required, Refer to the ACGIH document, "Industrial Ventilation, a Manual of Recommended Practices" for details about ventilation.

Personal Respirator: Usually not required.

Skin protection: Protective gloves are not required but recommended as part of good laboratory practice.

Eye Protection: Laboratory safety goggles or similar products are not required but recommended as part of good laboratory practice.

## Section IX - Physical and Chemical Properties

Boiling Point: 100 °C

Vapor pressure (mm Hg): 18 @ 20 °C

Density: 1.015 g/ml @ 22.5 °C

Evaporation Rate (water = 1): 1

Vapor Density (air = 1): 0.6 Solubility: Infinitely miscible with water

Appearance and Odor: A clear yellowish liquid with a pungent odor.

## Section X - Stability and Reactivity

Stability: Freezes at low temperature.

Hazardous Decomposition Products: Nothing unusual.

Hazardous polymerization: Will not occur.

Incompatibilities: Nothing unusual.

Conditions to avoid: Excessive cold/heat and light.

#### **Section XI - Toxicological Information**

None relating to normal exposure.

Cancer lists

Ingredient Known Carcinogenicity? Anticipated? IARC Category

Potassium ferrocyanide no no none

#### **Section XII - Ecological Information**

Environmental Fate: Biodegradable. Environmental Toxicity: Unknown.

# **Section XIII - Disposal Considerations**

Usually not restricted but local governments may restrict the amounts of iron compounds that can be flushed down the drain. Insure compliance with all government regulations.

# Section XIV - Transportation information

Not regulated.

# **Section XV - Regulatory Information**

## **Chemical Inventory Status**

IngredientTSCAECPotassium ferrocyanideYesYes

## Federal, State and International Regulations

**SARA 302 SARA 313** <u>RCRA</u> **TSCA** Ca. Prop 65 **Ingredient** RQ **TPQ** List Category 261.33 8(D) Potassium ferrocyanide No No No No

Chemical Weapons Convention: No TSCA 12(b): No CDTA: No

SARA 311/312: Acute: Yes, Chronic: No

#### **Section XVI - Other Information**

This information is believed to be correct but is not waranteed as such, nor does it purport to be all inclusive.

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