

Section 1. Product and Company Identification

Item Number: S2019A-1

Common Name: Solution A: Potassium Ferrocyanide

Intended Use: In Vitro Diagnostic use. Laboratory Use Only

IN CASE OF EMERGENCY, CONTACT: CHEMTREC (24HR) 800-424-9300

Manufacturer: Poly Scientific R&D Corp

70 Cleveland Ave
Bay Shore, NY 11706631-586-0400
polyrnd@polyrnd.com
www.polyrnd.com**Section 2. Hazard Identification**

Harmful If Swallowed or Inhaled

Avoid breathing dust or vapor. May be irritating to eyes, skin, and respiratory system. Wear safety goggles and rubber gloves to avoid contact. Wash thoroughly after handling. Keep container tightly closed.

EFFECTS OF EXPOSURE: Ingestion may cause nausea and abdominal pain. Mild irritant to skin and eyes.

TARGET ORGANS: None.

FIRST AID: Call a physician at once!

For Fire: Use extinguishing media appropriate for surrounding fire.

For Spill: Eliminate ignition sources. Pick up with absorbent material and containerize for proper disposal.

Hazards not otherwise covered by GHS: None

Section 3. Composition Information

Exposure Limits(A blank value indicates no information available)

Component	CAS#	PEL(mg/m3)	STEL(mg/m3)	CEIL(mg/m3)	Concentration Range
No OSHA hazardous Components					0-5% 50-100 %

Section 4. First Aid Measures**Eye Contact:** Check for and remove contact lenses. Wash with large amounts of water for 15 minutes. Seek medical attention.**Skin Contact:** Remove contaminated clothing and shoes. Wash the affected area with large with soap and water. Seek medical attention**Ingestion:** Give two glasses of water to a conscious victim. Do not induce vomiting. Seek medical attention**Inhalation:** Move person to fresh air. If necessary give CPR; warning this could pose a risk of exposure to the rescue breather. Seek medical attention

The most important known symptoms and effects are described in section 2 and/or section 11.

Section 5. Fire Fighting Measures

Extinguishing Media: N/A

Special Fire and Explosion Remarks: NA

Section 6. Accidental Release Measures

Spill Cleanup and Disposal Special: N/A

Spill Cleanup: Take up spills with absorbant material and containerize for proper disposal. Use proper PPE as per section 8. Provide ventilation.

Section 7. Handling and Storage

Storage and Handling Special: N/A

Storage and handling: Keep container tightly closed. Store in a cool, dry area and protect from physical damage

Section 8. Exposure Controls/Personal Protection

Personal Protective Equipment: N/A

This information is provided as a guide but proper PPE can only be determined by the end user and their situation.

Engineering Controls: Provide local exhaust ventilation to keep the airborne concentrations of vapors below their respective threshold limit values. Ensure that eyewash stations and safety showers are local to the work-station.**Section 9. Physical and Chemical Properties**Appearance: light yellow
Odor: N/A
Odor Threshold: N/A
pH: N/A
Melting Point: N/A
Boiling Point: N/A
Flash Point (F) TCC: NAEvaporation Rate: N/A
Upper Flammability Limit (%): NA
Lower Flammability Limit (%): NA
Specific Gravity (@20C).....: N/A
Vapor Pressure (mm Hg): N/A
Vapor Density (Air=1): N/A
Relative Density.....: N/AWater Soluable?: Yes
Volatile Percent: N/A
Partition Coefficient.....: n-octanol/water: N/A
Auto Ignition Temp: N/A
Decomposition Temp: N/A
Viscosity: N/A

Section 10. Stability and reactivity

Special Remarks on Stability: N/A

Special Remarks on Reactivity: N/A

Water Reactive: No

Section 11. Toxicological Information

Routes of Entry: N/A

Animal Toxicity: N/A

Human Toxic Effects: N/A

Potential Acute Health Effects: N/A

Potential Chronic Health Effects: N/A

Section 12. Ecological Information

Ecological Information: N/A

Section 13. Disposal Considerations

Waste Disposal: Dispose of in accordance with local, state and federal laws.

Section 14. Transport Information

DOT Identification: Non Hazardous

Section 15. Regulatory Information

State Regulations: New York release reporting list: N/A

Sara Section 311 Reporting

Component	CAS#	Acute	Chronic	Fire	Pressure	Reactive	SARA302	SARA313	CERCLA	RCRA
No OSHA hazardous		No	No	No	No	No	No	No	No	No
Components		No	No	No	No	No	No	No	No	No

Section 16. Other Information

Review Date: 3/15/2023

Reviewed by: ddi

MSDS Group Id: 2

Notice: This MSDS applies only to the material as packaged. If the material is altered by any means it may pose risks not mentioned here. It is the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this MSDS is based on reliable technical data, Poly Scientific R&D Corp. assumes no responsibility for the completeness or accuracy of the information contained herein.

Section 1. Product and Company Identification

Item Number: s2019B-1

Common Name: Solution B: Hydrochloric Acid

Intended Use: In Vitro Diagnostic use. Laboratory Use Only

IN CASE OF EMERGENCY, CONTACT: CHEMTREC (24HR) 800-424-9300

Manufacturer: Poly Scientific R&D Corp

70 Cleveland Ave
Bay Shore, NY 11706631-586-0400
polyrnd@polyrnd.com
www.polyrnd.com**Section 2. Hazard Identification**

290 Corrosive to Metals Cat 1

318 Serious eye damage/eye irritation Cat 1



Danger

May be corrosive to metals. Causes severe skin burns and eye damage.

Wash hands/skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Immediately call a POISON CENTER or doctor/physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. Absorb spillage to prevent material damage. Keep only in original container and tightly closed. Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise covered by GHS: None

Section 3. Composition Information

Exposure Limits(A blank value indicates no information available)

Component	CAS#	PEL(mg/m3)	STEL(mg/m3)	CEIL(mg/m3)	Concentration Range
Hydrochloric Acid	7647-01-0	5.00		5.00	10-25%

Section 4. First Aid Measures**Eye Contact:** Check for and remove contact lenses. Wash with large amounts of water for 15 minutes. Seek medical attention.**Skin Contact:** Remove contaminated clothing and shoes. Wash the affected area with large with soap and water. Seek medical attention**Ingestion:** Give two glasses of water to a conscious victim. Do not induce vomiting. Seek medical attention**Inhalation:** Move person to fresh air. If necessary give CPR; warning this could pose a risk of exposure to the rescue breather. Seek medical attention

The most important known symptoms and effects are described in section 2 and/or section 11.

Section 5. Fire Fighting Measures**Extinguishing Media:** Water Spray, Dry Chemical, Carbon Dioxide or Alcohol Foam**Special Fire and Explosion Remarks:** N/A**Section 6. Accidental Release Measures****Spill Cleanup and Disposal Special:** Caution! Corrosive! Neutralize alkaline material (soda ash) Take up spills with absorbent material**Spill Cleanup:** Take up spills with absorbant material and containerize for proper disposal. Use proper PPE as per section 8. Provide ventilation.**Section 7. Handling and Storage****Storage and Handling Special:** N/A**Storage and handling:** Keep container tightly closed. Store in a cool, dry area and protect from physical damage**Section 8. Exposure Controls/Personal Protection****Personal Protective Equipment:** Splash Goggles, Gloves, Synthetic Apron, Vapor Respirator

This information is provided as a guide but proper PPE can only be determined by the end user and their situation.

Engineering Controls: Provide local exhaust ventilation to keep the airborne concentrations of vapors below their respective threshold limit values. Ensure that eyewash stations and safety showers are local to the work-station.**Section 9. Physical and Chemical Properties**

Appearance	Evaporation Rate	Water Soluable?
Odor	Upper Flammability Limit (%):	Volatile Percent
Odor Threshold	Lower Flammability Limit (%):	Partition Coefficient.....
pH.....	Specific Gravity (@20C).....	Auto Ignition Temp.....
Melting Point.....	Vapor Pressure (mm Hg)	Decomposition Temp.....
Boiling Point	Vapor Density (Air=1)	Viscosity
Flash Point (F) TCC	Relative Density	

Section 10. Stability and reactivity**Special Remarks on Stability:** Stable**Special Remarks on Reactivity:** N/A**Water Reactive:** No

Section 11. Toxicological Information

Routes of Entry: Inhalation, Skin Absorption, Ingestion

Animal Toxicity: Hydrochloric Acid: : Acute Oral (LD50): 900 mg/kg (Rat); Sodium Acetate: N/A

Human Toxic Effects: Target Organs: Eyes, skin, respiratory system

Potential Acute Health Effects: Hazardous in case of eye,skin contact, inhalation,ingestion

Potential Chronic Health Effects: Hydrochloric Acid: IARC Code 3

Section 12. Ecological Information

Ecological Information: N/A

Section 13. Disposal Considerations

Waste Disposal: Dispose of in accordance with local,state and federal laws.

Section 14. Transport Information

DOT Identification: Non Hazardous

Section 15. Regulatory Information

State Regulations: New York release reporting list: Hydrochloric Acid

Sara Section 311 Reporting

Component	CAS#	Acute	Chronic	Fire	Pressure	Reactive	SARA302	SARA313	CERCLA	RCRA
Hydrochloric Acid	7647-01-0	No	No	No	No	No	Yes	Yes	Yes	No

Section 16. Other Information

Review Date: 3/15/2023

Reviewed by: ddi

MSDS Group Id: 7

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