SAFETY DATA SHEET

Section 1. Product and Company Identification

Item Number.: s262d-1
Common Name.: Potassium Ferrocyanide 5% Aqueous
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 11706

polyrnd@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) The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

Component	CAS#	PEL(mg/m3)	STEL(mg/m3)	CEIL(mg/m3)	Concentration Range
Potassium Ferrocyanide	14459-95-1				0-5%

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 neccessary 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.: Use extinguishing media appropriate to surrounding fire
Special Fire and Explosion Remarks..: N/A

Section 6. Accidental Release Measures

Spill Cleanup and Disposal Special..: Pick up spill with absorbent vermiculite
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..: Safety Glasses, Gloves, Synthetic Apron
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

Appearence.....: Colorless liquid
Odor.....: N/A
Odor Threshhold.....: N/A
pH.....: N/A
Melting Point.....: N/A
Boiling Point.....: N/A
Flash Point (F) TCC.....: N/A

Evaporation Rate.....: N/A
Upper Flammability Limit (%).: N/A
Lower Flammability Limit (%): N/A
Specific Gravity (@20C).....: N/A
Vapor Pressure (mm Hg).....: N/A
Vapor Density (Air=1).....: N/A
Relative Density.....: N/A

Water 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..: Stable

Special Remarks on Reactivity..: N/A

Water Reactive.: No

Section 11. Toxological Information

Routes of Entry.: Inhalation, Ingestion, Skin Absorption

Animal Toxicity.: No LC50/LD50 data available

Human Toxic Effects .: Target Organs : Skin

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

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
Potassium Ferrocyanide	14459-95-1	No	No	No	No	No	No	No	No	

Section 16. Other Information

Review Date : 3/14/2023
Reviewed by : Admin
MSDS Group Id.: 151

Notice : This SDS 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 responcibility to develope proper methods of handling and personal protection based on the actual conditions of use.
While this SDS is based on reliable technical data, Poly Scientific R&D Corp. assumes no responcibility for the completeness or accuracy of the information contained herein.

SAFETY DATA SHEET

Section 1. Product and Company Identification

Item Number.: s289-1
Common Name.: Van Gieson's Solution
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 11706

polyrnd@polyrnd.com

Section 2. Hazard Identification

301 Acute toxicity, oral Cat 3
311 Acute toxicity,dermal Cat 3
317 Sensitisian, Skin Cat 1
332 Acute toxicity,inhalation Cat 4

Danger
Toxic if swallowed and in contact with skin.
May cause an allergic skin reaction.
Harmful if inhaled.
Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. Wear protective gloves/ clothing protection/eye protection/ face protection. Use only in a well-ventilated area. Wash hands/skin thoroughly after handling. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Rinse mouth. IF ON SKIN: Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/ attention. Wash contaminated clothing before reuse. Call a POISON CENTER or doctor/ physician if you feel unwell. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell. Store locked up. 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) The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

Component	CAS#	PEL(mg/m3)	STEL(mg/m3)	CEIL(mg/m3)	Concentration Range
Picric Acid	88-89-1		0.10		0-5%

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 neccessary 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.: Use Water Spray
Special Fire and Explosion Remarks..: N/A

Section 6. Accidental Release Measures

Spill Cleanup and Disposal Special..: Take up with absorbent vermiculite.
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..: Safety Glasses, Gloves, Synthetic Apron
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

Appearence.....: Clear red liquid
Odor.....: N/A
Odor Threshhold.....: N/A
pH.....: N/A
Melting Point.....: N/A
Boiling Point.....: N/A
Flash Point (F) TCC.....: N/A

Evaporation Rate.....: N/A
Upper Flammability Limit (%).: N/A
Lower Flammability Limit (%).: N/A
Specific Gravity (@20C).....: N/A
Vapor Pressure (mm Hg).....: N/A
Vapor Density (Air=1).....: N/A
Relative Density.....: N/A

Water 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..: Stable

Special Remarks on Reactivity..: N/A

Water Reactive.: No

Section 11. Toxological Information

Routes of Entry.: Inhalation, Skin Absorption, Ingestion

Animal Toxicity.: Picric Acid: Acute Oral (LDLo) 120 mg/kg (Rabbit) Subcutaneous (LDLo) 60 mg/kg (Dog)

Human Toxic Effects .: Target Organs: skin, respiratory, GI tract, lungs, blood

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

Potential Chronic Health Effects..: Prolonged or repeated skin contact may cause dermatitis. Mutagenic.

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
Picric Acid	88-89-1	No	No	No	No	No	No	Yes	No	No

Section 16. Other Information

Review Date : 3/14/2023
Reviewed by : Admin
MSDS Group Id.: 97

Notice : This SDS applies only to the material as packaged. If the material is altered by any means it may pose risks not mentioned here.
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SAFETY DATA SHEET

Section 1. Product and Company Identification

Item Number.: s2008-1
Common Name.: Hydrochloric Acid 5% Aqueous
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 11706

polyrnd@polyrnd.com

Section 2. Hazard Identification

290 Corrosive to Metals Cat 1
314 Skin corrosion/irritation Cat 1A, B, C
335 Specific target organ toxicity, single exposure; Respiratory tract irritation Cat 3

Danger
May be corrosive to metals. Causes severe skin burns and eye damage.
May cause respiratory irritation.
May cause damage to organs through prolonged or repeated exposure.
Do not breathe dust/fume/gas/mist/vapors/spray. Wash hands/skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Keep only in original container. Use only in well-ventilated area. In case of inadequate ventilation wear respiratory ventilation. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. Absorb spillage to prevent material damage. Keep tightly closed and only in original container. Store locked up. 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) The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

Component	CAS#	PEL(mg/m3)	STEL(mg/m3)	CEIL(mg/m3)	Concentration Range
Hydrochloric Acid	7647-01-0	5.00		5.00	0-5%

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 neccessary 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

Appearence.....: Colorless liquid
Odor.....: N/A
Odor Threshhold.....: N/A
pH.....: N/A
Melting Point.....: N/A
Boiling Point.....: N/A
Flash Point (F) TCC.....: N/A

Evaporation Rate.....: N/A
Upper Flammability Limit (%).: N/A
Lower Flammability Limit (%) : N/A
Specific Gravity (@20C).....: N/A
Vapor Pressure (mm Hg).....: N/A
Vapor Density (Air=1).....: N/A
Relative Density.....: N/A

Water 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..: Stable

Special Remarks on Reactivity..: N/A

Water Reactive.: No

Section 11. Toxological 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 .: UN1789, Hydrochloric Acid,8,II

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 : 3/14/2023
Reviewed by : Admin
MSDS Group Id.: 7

Notice : This SDS 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 responcibility to develope proper methods of handling and personal protection based on the actual conditions of use.
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SAFETY DATA SHEET

Section 1. Product and Company Identification

Item Number.: s2009-1
Common Name.: Acetic Acid 12% Aqueous
Intended Use : In Vitro Diagnostic use. Laboratory Use Only
IN CASE OF EMERGENCY, CONTACT: CHEMTREC (24HR) 800-424-9300

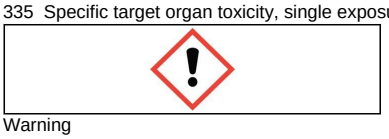
Manufacturer.: Poly Scientific R&D Corp.

70 Cleveland Ave
Bay Shore NY 11706

polyrnd@polyrnd.com

Section 2. Hazard Identification

315 Skin corrosion/irritation Cat 2
320 Serious eye damage/eye irritation Cat 2B
335 Specific target organ toxicity, single exposure; Respiratory tract irritation Cat 3



Warning
Causes skin irritation.
Causes serious eye irritation.
May cause respiratory irritation.
Wash hands/ skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Use only in well-ventilated area. In case of inadequate ventilation wear respiratory ventilation. IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. 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) The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

Component	CAS#	PEL(mg/m3)	STEL(mg/m3)	CEIL(mg/m3)	Concentration Range
Acetic Acid, Glacial	64-19-7	15.00	10.00		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 neccessary 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.: Dry Chemical Powder, Alcohol Foam, Water Spray or Fog
Special Fire and Explosion Remarks..: N/A

Section 6. Accidental Release Measures

Spill Cleanup and Disposal Special..: Caution! Corrossive, neutralize with Sodium Bicarbonate or similar
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..: Gloves, Splash Googles, Vapor Respirator, Apron
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

Appearence.....: Colorless liquid
Odor.....: Pungent, Vinegar-like,soul
Odor Threshhold.....: N/A
pH.....: N/A
Melting Point.....: N/A
Boiling Point.....: N/A
Flash Point (F) TCC.....: N/A

Evaporation Rate.....: N/A
Upper Flammability Limit (%).: N/A
Lower Flammability Limit (%): N/A
Specific Gravity (@20C).....: 1.05
Vapor Pressure (mm Hg).....: 11
Vapor Density (Air=1).....: 2.1
Relative Density.....: N/A

Water Soluable?.....: Yes
Volatile Percent.....: 100
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..: Stable

Special Remarks on Reactivity..: N/A

Water Reactive.: No

Section 11. Toxological Information

Routes of Entry.: Inhalation, Skin absorbtion, Ingestion

Animal Toxicity.: Acute Oral (LD50): 3310 mg/kg (Rat); Acute Dermal(LD50): 1060 mg/kg (Rabbit); Acute Vapor(LC50): 5620 1hr(mouse)

Human Toxic Effects .: Target Organs: Lungs, mucous membranes, upper respitory tract, skin,eyes,teeth

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

Potential Chronic Health Effects..: Mutagenic for yeast and bacteria. Repeated exposure can produce target organ damage.

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 .: UN2790, Acetic Acid Solution,8,III

Section 15. Regulatory Information

State Regulations.: New York release reporting list: Acetic Acid

Sara Section 311 Reporting

Component	CAS#	Acute	Chronic	Fire	Pressure	Reactive	SARA302	SARA313	CERCLA	RCRA
Acetic Acid, Glacial	64-19-7	No	No	No	No	No	No	No	Yes	No

Section 16. Other Information

Review Date : 3/14/2023
Reviewed by : Admin
MSDS Group Id.: 365

Notice : This SDS 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 responcibility to develope proper methods of handling and personal protection based on the actual conditions of use.
While this SDS is based on reliable technical data, Poly Scientific R&D Corp. assumes no responcibility for the completeness or accuracy of the information contained herein.

SAFETY DATA SHEET

Section 1. Product and Company Identification

Item Number.: s2050-1
Common Name.: Muller's Colloidal Iron Oxide Stock Solution
Intended Use : In Vitro Diagnostic use. Laboratory Use Only
IN CASE OF EMERGENCY, CONTACT: CHEMTREC (24HR) 800-424-9300

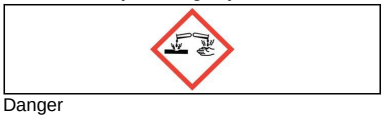
Manufacturer.: Poly Scientific R&D Corp.

70 Cleveland Ave
Bay Shore NY 11706

polyrnd@polyrnd.com

Section 2. Hazard Identification

290 Corrosive to Metals Cat 1
302 Acute toxicity, oral Cat 4
315 Skin corrosion/irritation Cat 2
318 Serious eye damage/eye irritation Cat 1



Danger
May be corrosive to metals. Harmful if swallowed. Causes skin irritation and serious eye damage.
Wash hands/skin thoroughly after handling. Do not eat, drink or smoke when using this product. Do not breathe dust/fume/gas/mist/vapors/spray. Wear protective gloves/protective clothing/eye protection/face protection. Keep in original container. Absorb spillage to prevent material damage. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue risning. Immediatley call a POISON CENTER or docotr/physician. IF ON SKIN (or hair): Remove/Take off immediatley all contaminated clothing. Wash with plenty of soap and water.Wash contaminated clothing before use. IF INHALED: Remove victim to freash air and keep at rest in a position comfortable for breathing. Immediatley call a POISON CENTER or doctor/physician. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. Store locked up and in a closed container. Dispose 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) The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

Component	CAS#	PEL(mg/m3)	STEL(mg/m3)	CEIL(mg/m3)	Concentration Range
Ferric Chloride	10025-77-1		1.00		0-5%

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 neccessary 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.: Dry Chemical, Carbon Dioxide, Water Spray or Foam
Special Fire and Explosion Remarks ..: N/A

Section 6. Accidental Release Measures

Spill Cleanup and Disposal Special ..: Wear self-contained breathing apparatus, full protect clothing. Pick up with absorbent vermiculite
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..: Safety Glasses, Gloves, Synthetic Apron
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

Appearence.....: Clear deep red liquid
Odor.....: N/A
Odor Threshhold.....: N/A
pH .....: N/A
Melting Point.....: N/A
Boiling Point.....: N/A
Flash Point (F) TCC.....: N/A

Evaporation Rate.....: N/A
Upper Flammability Limit (%).: N/A
Lower Flammability Limit (%) : N/A
Specific Gravity (@20C) .....: 1.82
Vapor Pressure (mm Hg).....: N/A
Vapor Density (Air=1) .....: N/A
Relative Density .....: N/A

Water Soluable?.....: Yes
Volatile Percent .....: 0
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..: Stable

Special Remarks on Reactivity..: N/A

Water Reactive.: No

Section 11. Toxological Information

Routes of Entry.: Inhalation, Skin absorbtion, Ingestion

Animal Toxicity.: I.V (LDLO) 7mg/kg (Rabbit) Intraperitoneal (LD50) 260 mg/kg (Mouse)

Human Toxic Effects .: Target Organs: Eyes, Nerves

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

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: Ferric Chloride

Sara Section 311 Reporting

Component	CAS#	Acute	Chronic	Fire	Pressure	Reactive	SARA302	SARA313	CERCLA	RCRA
Ferrric Chloride	10025-77-1	No	No	No	No	No	No	No	No	No

Section 16. Other Information

Review Date : 3/14/2023
Reviewed by : Admin
MSDS Group Id.: 53

Notice : This SDS 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 responcibility to develope proper methods of handling and personal protection based on the actual conditions of use.
While this SDS is based on reliable technical data, Poly Scientific R&D Corp. assumes no responcibility for the completeness or accuracy of the information contained herein.