

Section 1. Product and Company Identification

Item Number.: s113f-1
 Common Name.: Ammonia Water
 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
No OSHA hazardous Components					

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.....: Colorless liquid	Evaporation Rate.....: N/A	Water Soluable?.....: Yes
Odor.....: N/A	Upper Flammability Limit (%): NA	Volatile Percent.....: N/A
Odor Threshold.....: N/A	Lower Flammability Limit (%): NA	Partition Coefficient.....: n-octanol/water: N/A
pH.....: N/A	Specific Gravity (@20C).....: N/A	Auto Ignition Temp.....: N/A
Melting Point.....: N/A	Vapor Pressure (mm Hg).....: N/A	Decomposition Temp.....: N/A
Boiling Point.....: N/A	Vapor Density (Air=1).....: N/A	Viscosity.....: N/A
Flash Point (F) TCC.....: NA	Relative Density.....: 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 Components		No	No	No	No	No	No	No	No	No
		No	No	No	No	No	No	No	No	No

Section 16. Other Information

Review Date : 3/14/2023

Reviewed by : Admin

MSDS Group Id.: 2

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 responsibility to develop 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 responsibility for the completeness or accuracy of the information contained herein.

Section 1. Product and Company Identification

Item Number.: s2254-1
 Common Name.: Ferric Ammonium Sulfate 4% 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
 319 Serious eye damage/eye irritation Cat 2A

**Warning**

Causes skin irritation and serious eye irritation.

Wash hands/skin thoroughly after handling. Wear protective gloves/ eye protection/ face protection/protective clothing. IF ON SKIN: Wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If skin irritation occurs: Get medical advice/ attention. If eye irritation persists: Get medical advice/ attention. Take off contaminated clothing and wash before reuse.

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 Ammonium Sulfate	7783-83-7				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 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.: Use any means suitable for extinguishing surrounding fire

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

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

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.: No LD50 or LDLo information

Human Toxic Effects.: Target Organs: None

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 Ammonium Sulfate

Component	CAS#	Sara Section 311 Reporting								SARA302	SARA313	CERCLA	RCRA
		Acute	Chronic	Fire	Pressure	Reactive							
Ferric Ammonium Sulfate	7783-83-7	No	No	No	No	No	No	No	No	No	No	No	

Section 16. Other Information

Review Date : 3/14/2023

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MSDS Group Id.: 52

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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While this SDS 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.: s2399-1
 Common Name.: Hematoxylin Ferric Ammonium Sulfate
 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
 319 Serious eye damage/eye irritation Cat 2A

**Warning**

Causes skin irritation and serious eye irritation.

Wash hands/skin thoroughly after handling. Wear protective gloves/ eye protection/ face protection/protective clothing. IF ON SKIN: Wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If skin irritation occurs: Get medical advice/ attention. If eye irritation persists: Get medical advice/ attention. Take off contaminated clothing and wash before reuse.

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 Ammonium Sulfate	7783-83-7		1.00		0-5%
Ethyl Alcohol	64-17-5		1,900.00		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 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.: Use Dry Chemical, Foam or Carbon Dioxide

Special Fire and Explosion Remarks ...: N/A

Section 6. Accidental Release Measures

Spill Cleanup and Disposal Special ...: Caution! May cause irritation. Eliminate all ignition sources. Pick up 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...: Safety Glasses, Gloves

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.....: Clear brown liquid	Evaporation Rate.....: N/A	Water Soluable?: Yes
Odor.....: Pleasant	Upper Flammability Limit (%): N/A	Volatile Percent: 100
Odor Threshold: N/A	Lower Flammability Limit (%): N/A	Partition Coefficient: n-octanol/water: N/A
pH: N/A	Specific Gravity (@20C): 0.792	Auto Ignition Temp.: N/A
Melting Point.....: N/A	Vapor Pressure (mm Hg): 50	Decomposition Temp.....: N/A
Boiling Point.....: N/A	Vapor Density (Air=1): 1.6	Viscosity: N/A
Flash Point (F) TCC.....: N/A	Relative Density: N/A	

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.: Ethyl Alcohol: Acute Oral (LD50) 7060 mg/kg (Rat) Acute Dermal 500 mg/24 hr Severe Irritation (Rabbit); Ferric Ammonium Sulfate Dodecahydrate: No LD50/LC50 information found relating to normal

Human Toxic Effects.: Target Organs: Eyes, Skin, Respiratory System, CNS, Liver, Blood, Reproductive System, GI Tract

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
Ferric Ammonium Sulfate	7783-83-7	No	No	No	No	No	No	No	No	No
Ethyl Alcohol	64-17-5	No	No	No	No	No	Yes	Yes	No	No

Section 16. Other Information

Review Date : 3/14/2023

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MSDS Group Id.: 225

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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Section 1. Product and Company Identification

Item Number.: s2400-1
 Common Name.: Sodium Borate Potassium Ferricyanide 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

315 Skin corrosion/irritation Cat 2
 319 Serious eye damage/eye irritation Cat 2A
 335 Specific target organ toxicity, single exposure; Respiratory tract irritation Cat 3
 360 Reproductive toxicity Cat 1A, 1B



Danger

Causes skin irritation and eye irritation.

May cause respiratory irritation. May damage fertility or the unborn child.

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use only in well-ventilated area. In case of inadequate ventilation wear respiratory ventilation. Wash hands/skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Keep container tightly closed, locked up in well ventilated-area and cool. Take off contaminated clothing and wash before reuse. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Wash skin with soap/water/shower. If skin irritation or rash occurs: Get medical advice/attention. 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 eye irritation persists: Get medical attention/advice. 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. If exposed: Call a POISON CENTER or doctor/physician. 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
Potassium Ferricyanide	13746-66-2				0-5%
Sodium Borate	1303-96-4		6.00		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 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.: Dry Chemical, Carbon Dioxide, Water Spray, Alcoholic Foam

Special Fire and Explosion Remarks ...: N/A

Section 6. Accidental Release Measures

Spill Cleanup and Disposal Special ...: Take 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

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.....: Colorless liquid	Evaporation Rate.....: N/A	Water Soluable?: Yes
Odor.....: None	Upper Flammability Limit (%): N/A	Volatile Percent: N/A
Odor Threshold: N/A	Lower Flammability Limit (%): N/A	Partition Coefficient.....: n-octanol/water: N/A
pH: N/A	Specific Gravity (@20C): N/A	Auto Ignition Temp.....: N/A
Melting Point.....: N/A	Vapor Pressure (mm Hg): N/A	Decomposition Temp.....: N/A
Boiling Point.....: N/A	Vapor Density (Air=1): N/A	Viscosity: N/A
Flash Point (F) TCC.....: N/A	Relative Density: N/A	

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.: Sodium Borate, Decahydrate: Acute Oral (LD50) 2660 mg/kg (Rat) Intraperitoneal (LD50) 2711 mg/kg (Mouse); Potassium Ferrocyanide: Acute Oral (LD50) 2970 mg/kg (Mouse)
Acute Oral (LDL0) 1600 mg/kg (Rat)

Human Toxic Effects.: Target Organs: Skin, Eyes, CNS, Liver, GI System

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

Component	CAS#	Sara Section 311 Reporting									
		Acute	Chronic	Fire	Pressure	Reactive	SARA302	SARA313	CERCLA	RCRA	
Potassium Ferricyanide	13746-66-2	No	No	No	No	No	No	No	No	No	
Sodium Borate	1303-96-4	No	No	No	No	No	No	No	No	No	

Section 16. Other Information

Review Date : 3/14/2023

Reviewed by : Admin

MSDS Group Id.: 226

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