SAFETY DATA SHEET

Section 1. Product and Company Identification

Item Number.: s212-1
Common Name.: Harris Hematoxylin
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

302 Acute toxicity, oral Cat 4
314 Skin corrosion/irritation Cat 1A, B, C
335 Specific target organ toxicity, single exposure; Respiratory tract irritation Cat 3
350 Carcinogenicity Cat 1A, 1B

Danger
Harmful if swallowed. Causes severe skin burns and eye damage.
Do not breathe dust/fume/gas/mist/vapours/spray. Wash hands/skin thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection. Keep container tightly closed, in a well ventilated-area and cool. Take off contaminated clothing and wash before reuse. In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. Do not induce vomiting. IF ON SKIN (or hair): Remove/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. Immediately call a POISON CENTER or doctor/physician. If exposed: Call a POISON CENTER or doctor/physician. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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
Ethyl Alcohol	64-17-5		1,900.00		0-5%
Isopropyl Alcohol	67-63-0	1,225.00	980.00		0-5%
Hematoxylin	517-28-2				0-5%
Methyl Alcohol	67-56-1	325.00	260.00		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 .: Use Dry Chemical, Foam or Carbon Dioxide
Special Fire and Explosion Remarks ..: N/A

Section 6. Accidental Release Measures

Spill Cleanup and Disposal Special ..: Eliminate ignition sources. 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 ..: 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.....: Clear purple 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.: Ethyl Alc: Acute Oral (LD50): 7060 mg/kg (Rat); Acute Dermal(LD50): 500 mg/24hr (Rabbit); Methyl Alc: Acute Oral (LD50):5628 mg/kg (Rat); Acute Dermal (LLD50) 500mg/24hr (Rabbit); Isopropyl Alc: Acute Oral (LD50):5045 mg/kg (Rat); Acute Dermal (LD50) 500mg (Rabbit); Hematoxylin: Acute Oral (TDLO) 400 gm/kg (Rat); Aluminum Potassium Sulfate:

Human Toxic Effects .: Target Organs: Respiratory system, skin, eyes, CNS, liver, blood and reproductive system

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

Potential Chronic Health Effects..: Isopropyl Alcohol: 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: N/A

Sara Section 311 Reporting

Component	CAS#	Acute		Chronic		Fire	Pressure	Reactive	SARA302	SARA313	CERCLA	RCRA
Ethyl Alcohol	64-17-5	No	No	No	No	No	No	Yes	Yes	No		
Isopropyl Alcohol	67-63-0	No	No	No	No	No	No	Yes	No	No		
Hematoxylin	517-28-2	No	No	No	No	No	No	No	No	No		
Methyl Alcohol	67-56-1	No	No	No	No	No	No	Yes	Yes	No		

Section 16. Other Information

Review Date : 3/14/2023
Reviewed by : Admin
MSDS Group Id.: 69

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.: s230b-1
Common Name.: Fast Green Substitute For Light Green 1% 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

314 Skin corrosion/irritation Cat 1A, B, C
341 Germ cell mutagencity Cat 2

Danger
Causes severe skin burns and eye damage. Suspected of causing genetic defects.
Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapours/spray. Wash hands/skin thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection. Keep container tightly closed, locked up in well ventilated-area and cool. Take precautionary measures against static discharge. Take off contaminated clothing and wash before reuse. In case of fire: Use dry sand, dry chemical or alcohol- resistant foam to extinguish. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. Do not induce vomiting. IF ON SKIN (or hair): Remove/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. Immediately call a POISON CENTER or doctor/physician. If exposed: Call a POISON CENTER or doctor/physician. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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		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 .: Wtare, Dry Chemical Foam, or Carbon Dioxide
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..: Safety Glasses, Gloves, 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.....: Clear green liquid
Odor.....: Slight vinegar
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) .....: 2.12
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.: Ingestion, Inhalation, Skin Absorption

Animal Toxicity.: Glacial Acetic Acid: Acute Oral (LD50): 3310 mg/kg (Rat); Acute Dermal(LD50): 1060 mg/kg (Rabbit); Light Green S.F Yellowish: Acute Oral (LD50) 2 gm/mg (Rat) Intravenous (LD50) 700 mg/kg (Mouse)

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

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

Potential Chronic Health Effects..: Light Green SF: 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: 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.: 78

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.: s2017-1
Common Name.: Phosphotungstic Acid 1% Aqueous
Intended Use : In Vitro Diagnostic use. Laboratory Use Only
IN CASE OF EMERGENCY, CONTACT: CHEMTREC (24HR) 800-424-9300

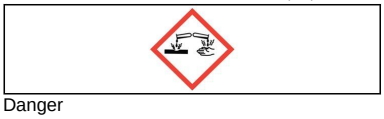
Manufacturer.: Poly Scientific R&D Corp.

70 Cleveland Ave
Bay Shore NY 11706

polyrnd@polyrnd.com

Section 2. Hazard Identification

314 Skin corrosion/irritation Cat 1A, B, C



Danger
Causes severe skin burns and eye damage
Do not breathe dust or mist. Wash hands/skin thoroughly after handling.
Wear protective gloves/ protective clothing/ eye protection/ face protection. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. 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 IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. 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
Phosphotungistic Acid	12501-23-4		1.00	3.00	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, Fog or Alcohol Foam
Special Fire and Explosion Remarks ..: N/A

Section 6. Accidental Release Measures

Spill Cleanup and Disposal Special ..: 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.....: 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.: Acute Oral (LD50) 3300 ml/kg (Rat)

Human Toxic Effects .: Target Organs: Lungs, Mucous Membranes

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
Phosphotungistic Acid	12501-23-4	No	No	No	No	No	No	No	No	

Section 16. Other Information

Review Date : 3/14/2023
Reviewed by : Admin
MSDS Group Id.: 171

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.: s2207-1
Common Name.: Hydrochloric Acid 1% Aqueous
Intended Use : In Vitro Diagnostic use. Laboratory Use Only
IN CASE OF EMERGENCY, CONTACT: CHEMTREC (24HR) 800-424-9300

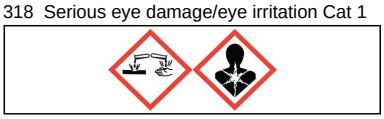
Manufacturer.: Poly Scientific R&D Corp.

70 Cleveland Ave
Bay Shore NY 11706

polyrnd@polyrnd.com

Section 2. Hazard Identification

290 Corrosive to Metals Cat 1
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) 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	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.
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.: s2438-1
Common Name.: Acid Fuchsin 1% Solution
Intended Use : In Vitro Diagnostic use. Laboratory Use Only
IN CASE OF EMERGENCY, CONTACT: CHEMTREC (24HR) 800-424-9300

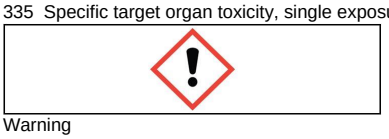
Manufacturer.: Poly Scientific R&D Corp.

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



Warning
Causes skin irritation and serious eye irritation.
May cause respiratory irritation.
Wash hands/skin thoroughly after handling. Use only in well-ventilated area. In case of inadequate ventilation wear respiratory ventilation. Wear protective gloves/ eye protection/ face protection/protective clothing. IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/ attention. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a POISON CENTER or doctor/ physician if you feel unwell. If eye irritation persists: Get medical advice/ attention. Take off contaminated clothing and wash before reuse. 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
Acetic Acid, Glacial	64-19-7	15.00	10.00		0-5%
Acid Fuchsin	3244-88-0				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, CO2, or Dry Chemical Foam
Special Fire and Explosion Remarks..: N/A

Section 6. Accidental Release Measures

Spill Cleanup and Disposal Special..: Warning! Flammable! Eliminate all ignition sources. Use water to supress vapors and dilute. Take 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..: NA
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 Goggles, Gloves, 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.....: Clear red liquid
Odor.....: Slight vinegar
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).....: 1.05
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 Absorption, Ingestion

Animal Toxicity.: Glacial Acetic Acid: Acute Oral (LD50): 3310 mg/kg (Rat); Acute Dermal(LD50): 1060 mg/kg (Rabbit); Acid Fuchsin: material has caused cancer in test animals

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. 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 .: Non Hazardous

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	No	Yes	No	
Acid Fuchsin	3244-88-0	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.: 22

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SAFETY DATA SHEET

Section 1. Product and Company Identification

Item Number.: s2494-1
Common Name.: Celestine Blue Iron 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

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 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 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

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.: 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

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	

Section 16. Other Information

Review Date : 3/14/2023
Reviewed by : Admin
MSDS Group Id.: 52

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SAFETY DATA SHEET

Section 1. Product and Company Identification

Item Number.: s2495-1
Common Name.: Orange G Phosphotungstic Acid 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

314 Skin corrosion/irritation Cat 1A, B, C

Danger
Causes severe skin burns and eye damage
Do not breathe dust or mist. Wash hands/skin thoroughly after handling.
Wear protective gloves/ protective clothing/ eye protection/ face protection. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. 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 IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. 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
Phosphotungistic Acid	12501-23-4		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, Fog or Alcohol Foam
Special Fire and Explosion Remarks ..: N/A

Section 6. Accidental Release Measures

Spill Cleanup and Disposal Special ..: 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

Appearance.....: 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.: Orange G: N/A; Phosphotungstic Acid: Acuute Oral (LD50) 3300 mg/kg (Rat)

Human Toxic Effects .: Target Organs: Lungs, Mucous Membranes

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

Potential Chronic Health Effects..: Orange G: 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: N/A

Sara Section 311 Reporting

Component	CAS#	Acute	Chronic	Fire	Pressure	Reactive	SARA302	SARA313	CERCLA	RCRA
Phosphotungistic Acid	12501-23-4	No	No	No	No	No	No	No	No	

Section 16. Other Information

Review Date : 3/14/2023
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MSDS Group Id.: 219

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