SAFETY DATA SHEET

Section 1. Product and Company Identification

Item Number.: s216-1
Common Name.: Mayer's Modified 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

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
Hematoxylin	517-28-2				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..: 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

Appearence.....: 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.: Hematoxylin: Acute Oral (TDLO) 400 gm/kg (Rat);

Human Toxic Effects .: Target Organs: Nerves, Kidneys, Eyes, 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
Hematoxylin	517-28-2	No	No	No	No	No	No	No	No	

Section 16. Other Information

Review Date : 3/14/2023
Reviewed by : Admin
MSDS Group Id.: 71

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.: s231-1
Common Name.: Fast Green Substitute For Light Green 2% Aqueous
Intended Use : In Vitro Diagnostic use. Laboratory Use Only
IN CASE OF EMERGENCY, CONTACT: CHEMTREC (24HR) 800-424-9300

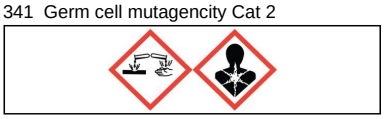
Manufacturer.: Poly Scientific R&D Corp.

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%
Fast Green FCF	2353-45-9				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, 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).....: 2.1
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 Absorption, Ingestion

Animal Toxicity.: Glacial Acetic Acid: Acute Oral (LD50): 3310 mg/kg (Rat); Acute Dermal(LD50): 1060 mg/kg (Rabbit); Fast Green FCF: Acute Oral (LD50) .2gm/kg (Rat)

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..: Fast Green: 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		
Fast Green FCF	2353-45-9	No	No	No	No	No	No	No	No	No		

Section 16. Other Information

Review Date : 3/14/2023
Reviewed by : Admin
MSDS Group Id.: 79

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 responcibility for the completeness or accuracy of the information contained herein.

SAFETY DATA SHEET

Section 1. Product and Company Identification

Item Number.: s2414-1
Common Name.: Orange G Picric 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

225 Flammable Liquids Cat 2,
301 Acute toxicity, oral Cat 3
311 Acute toxicity,dermal Cat 3
317 Sensitisian, Skin Cat 1
332 Acute toxicity,inhalation Cat 4
370 Specific target organ toxicity, single exposure Cat 1

Danger
Highly flammable liquid and vapour. Toxic if swallowed and in contact with skin. May cause allergic skin reaction. Harmful if inahled. Causes damage to eyes, blood and CNS.
Keep away from heat/sparks/open flames/hot surfaces.-No smoking. Avoid breathing dust/fume/gas/mist/vapours/spray. 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. Wear protective gloves/protective clothing/eye protection/face protection. Keep container tightly closed, locked up in well ventilated-area and cool. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. 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: Immediatley call a POISON CENTER or doctor/physician. Rinse mouth. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Wash skin with soap/water/shower. Take off and 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 skin irritation or rash occurs: Get medical advice/attention. 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
Picric Acid	88-89-1		0.10		5-10%
Ethyl Alcohol	64-17-5		1,900.00		0-5%
Isopropyl Alcohol	67-63-0	1,225.00	980.00		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 ..: Warning! Flammable! Eliminate all ignition sources.
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 yellow-orange liquic
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) .....: 0.791
Vapor Pressure (mm Hg).....: 52
Vapor Density (Air=1) .....: 1.6
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.: Ethyl Alcohol: Acute Oral (LD50) 7060 mg/kg (Rat) Acute Dermal (LD50) 500mg/24hr (Severe) (Rabbit); Methyl Alcohol: Acute Oral (LD50) 5628 mg/kg (Rat) Acute Dermal (LD50) 500mg/24hr (Mod Irrit) (Rabbit): Isopropyl Alcohol: Acute Oral (LD50) 5045 mg/kg (Rat) Acute Dermal 500 mg Mild (Rabbit); Picric Acid: Acute Oral (LD50) 200 mg/kg (Rat)

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..: Isopropyl Alcohol: IARC Code 3; 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 .: UN1170, Ethanol Solutions,3,III

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		
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		
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.: 227

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.: s2415-1
Common Name.: Mac Farlane's 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

225 Flammable Liquids Cat 2
301 Acute toxicity, oral Cat 3
311 Acute toxicity,dermal Cat 3
314 Skin corrosion/irritation Cat 1A, B, C
317 Sensitisian, Skin Cat 1
332 Acute toxicity,inhalation Cat 4
370 Specific target organ toxicity, single exposure Cat 1

Danger
Highly flammable liquid and vapour. Toxic if swallowed. Toxic in contact with skin. Causes severe skin burns and eye damage. May cause an allergic skin reaction. Harmful if inhaled. Causes damage to eyes, blood and CNS.
Keep away from heat/sparks/open flames/hot surfaces.-No smoking. 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. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection. Keep container tightly closed, locked up in well ventilated-area and cool. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. 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 skin irritation or rash occurs: Get medical advice/attention. 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
Phosphotungstic Acid	12501-23-4		1.00	3.00	10-25%
Picric Acid	88-89-1		0.10		0-5%
Ethyl Alcohol	64-17-5		1,900.00		>50%
Isopropyl Alcohol	67-63-0	1,225.00	980.00		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 .: Dry Chemical Powder, Alcohol Foam, Carbon Dioxide
Special Fire and Explosion Remarks ..: N/A

Section 6. Accidental Release Measures

Spill Cleanup and Disposal Special ..: Warning! Corrosive. Warning! Flammable! Eliminate ignitions. 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.....: 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) .....: 0.791
Vapor Pressure (mm Hg).....: 52
Vapor Density (Air=1) .....: 1.6
Relative Density .....: N/A

Water Soluable?.....: No
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.: Ethyl Alcohol: Acute Oral (LD50) 7060 mg/kg (Rat) Acute Dermal (LD50) 500mg/24hr (Severe) (Rabbit); Methyl Alcohol: Acute Oral (LD50) 5628 mg/kg (Rat) Acute Dermal (LD50) 500mg/24hr (Mod Irrit) (Rabbit): Isopropyl Alcohol: Acute Oral (LD50) 5045 mg/kg (Rat) Acute Dermal 500 mg Mild (Rabbit); Picric Acid: Acute Oral (LD50) 200 mg/kg (Rat)

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

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 .: UN1170, Ethanol Solutions,3,II

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
Phosphotungstic Acid	12501-23-4	No	No	No	No	No	No	No	No	No
Picric Acid	88-89-1	No	No	No	No	No	No	No	No	No
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	No	No	No
Methyl Alcohol	67-56-1	No	No	No	No	No	No	Yes	No	No

Section 16. Other Information

Review Date : 3/14/2023
Reviewed by : Admin
MSDS Group Id.: 354

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.: s2437-1
Common Name.: Celestine Blue 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 .: Any suitable means for extinguishing surrounding fire
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, 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 blue 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.: Ferric Ammonium Sulfate: No LD50.LC50 information found relating to normal routes of occupational exposure; Glycerine: Acute Oral (LD50) 12,600 mg/kg (Rat) Intraperitoneal (LD50) 75 mg/kg (Rat)
Human Toxic Effects .: Target Organs: Eyes, Skin, Respiratory. System, Liver, GI Tract, Kidneys

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.: 237

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

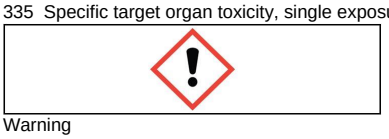
Manufacturer.: Poly Scientific R&D Corp.

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

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MSDS Group Id.: 22

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