

Section 1. Product and Company Identification

Item Number.: s290A-1
 Common Name.: Woodstain Scarlet Acid Fuchsin-A
 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.....: Clear red 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 |

Section 16. Other Information

Review Date : 3/15/2023

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.: s290B-1
 Common Name.: Woodstain Scarlet Acid Fuchsin-B
 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.....: Clear red 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 |

Section 16. Other Information

Review Date : 3/15/2023

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.

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Section 1. Product and Company Identification

Item Number.: s111-1
 Common Name.: Alcian Blue 1% in 1% Acetic Acid
 Intended Use : In Vitro Diagnostic use. Laboratory Use Only
 IN CASE OF EMERGENCY, CONTACT: CHEMTREC (24HR) 800-424-9300

Manufacturer.: Poly Scientific R&D Corp.

70 Cleveland Ave
 Bay Shore NY 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 |
|----------------------|------------|------------|-------------|-------------|---------------------|
| Acetic Acid, Glacial | 64-19-7 | 15.00 | 10.00 | | <5% |
| Alcian Blue | 33864-99-2 | | | | <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.: 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 with Sodium Bicarbonate or similar

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

Section 7. Handling and Storage

Storage and Handling Special...: N/A

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

Section 8. Exposure Controls/Personal Protection

Personal Protective Equipment ...: 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

| | | |
|-------------------------------|------------------------------------|--|
| Appearance.....: Blue liquid | Evaporation Rate.....: N/A | Water Soluable?.....: Yes |
| Odor.....: Slight vinegar | 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).....: 1.05 | Auto Ignition Temp.....: N/A |
| Melting Point.....: N/A | Vapor Pressure (mm Hg).....: 11 | Decomposition Temp.....: N/A |
| Boiling Point.....: N/A | Vapor Density (Air=1).....: 2.1 | 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 absorbion, Ingestion

Animal Toxicity.: Acute Oral (LD50): 3310 mg/kg (Rat); Acute Dermal(LD50): 1060 mg/kg (Rabbit); Alcian Blue: Toxicological properties have not been established for this material

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

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

Potential Chronic Health Effects...: 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: Glacial 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 | Yes | No | |
| Alcian Blue | 33864-99-2 | No | No | No | No | No | No | No | No | |

Section 16. Other Information

Review Date : 3/15/2023

Reviewed by : Admin

MSDS Group Id.: 9

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.: s265-1
 Common Name.: Resorcin Fuchsin Working Solution
 Intended Use : In Vitro Diagnostic use. Laboratory Use Only
 IN CASE OF EMERGENCY, CONTACT: CHEMTREC (24HR) 800-424-9300

Manufacturer.: Poly Scientific R&D Corp.

70 Cleveland Ave
 Bay Shore NY 11706

polyrnd@polyrnd.com

Section 2. Hazard Identification

290 Corrosive to Metals Cat 1
 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 |
|-------------------|----------|------------|-------------|-------------|---------------------|
| Ethyl Alcohol | 64-17-5 | | 1,900.00 | | <5% |
| Isopropyl Alcohol | 67-63-0 | 1,225.00 | 980.00 | | <5% |
| Methyl Alcohol | 67-56-1 | 325.00 | 260.00 | | <5% |
| Basic Fuchsin | 569-61-9 | | | | <5% |
| Hydrochloric Acid | 123-31-9 | | 2.00 | | <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, or Foam

Special Fire and Explosion Remarks.: N/A

Section 6. Accidental Release Measures

Spill Cleanup and Disposal Special.: Eliminate all ignition sources. Neutralize with alkaline material (soda ash, lime). Pick up spill with absorbent material.

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

Section 7. Handling and Storage

Storage and Handling Special.: N/A

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

Section 8. Exposure Controls/Personal Protection

Personal Protective Equipment.: Splash Goggles, Gloves, Synthetic Apron, Vapor Respirator

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

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

Section 9. Physical and Chemical Properties

| | | |
|-------------------------------------|-------------------------------------|--|
| Appearance.....: Dark purple liquid | Evaporation Rate.....: N/A | Water Soluable?.....: Yes |
| Odor.....: N/A | 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).....: 0.791 | Auto Ignition Temp.....: N/A |
| Melting Point.....: N/A | Vapor Pressure (mm Hg).....: 52 | 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.: Skin Absorption, Ingestion

Animal Toxicity.: lc: 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); Hydrochloric Acid: Acute Oral (LD50) 900 mg/kg (Rat) Intraperitoneal (LD50) 1449 mg/kg (Mouse); Basic Fuchsin: Acute Oral 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; 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

| Component | CAS# | Sara Section 311 Reporting | | | | | | | | SARA302 | SARA313 | CERCLA | RCRA |
|-------------------|----------|----------------------------|---------|------|----------|----------|----|----|-----|---------|---------|--------|------|
| | | Acute | Chronic | Fire | Pressure | Reactive | | | | | | | |
| Ethyl Alcohol | 64-17-5 | No | No | No | No | No | No | No | Yes | Yes | No | | |
| Isopropyl Alcohol | 67-63-0 | No | No | No | No | No | No | No | Yes | No | No | | |
| Methyl Alcohol | 67-56-1 | No | No | No | No | No | No | No | Yes | Yes | No | | |
| Basic Fuchsin | 569-61-9 | No | No | No | No | No | No | No | No | No | No | | |
| Hydrochloric Acid | 123-31-9 | No | No | No | No | No | No | No | Yes | Yes | No | | |

Section 16. Other Information

Review Date : 3/15/2023

Reviewed by : Admin

MSDS Group Id.: 102

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.: s216ba-1
 Common Name.: Weigerts Hematoxylin Solution A
 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
 302 Acute toxicity, oral Cat 4
 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
 370 Specific target organ toxicity, single exposure Cat 1

**Danger**

Highly flammable liquid and vapour. Harmful if swallowed. Causes serious eye irritation. May cause respiratory irritation. 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. Use only in well-ventilated area. In case of inadequate ventilation wear respiratory ventilation. 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. Ground/bond container and receiving equipment. 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 skin irritation occurs: Get medical advice/attention. If eye irritation persists: get medical advice/attention. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse Mouth. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Wash skin with soap/water/shower. 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 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 |
|-------------------|----------|------------|-------------|-------------|---------------------|
| Ethyl Alcohol | 64-17-5 | | 1,900.00 | | >50% |
| isopropyl Alcohol | 67-63-0 | 1,225.00 | 980.00 | | <5% |
| Hematoxylin | 517-28-2 | | | | <5% |
| Methyl Alcohol | 67-56-1 | 325.00 | 260.00 | | <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 ...: Eliminate ignition sources. Take up spill 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 Glases, 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

| | | |
|--------------------------------------|-------------------------------------|---|
| Appearance.....: Tan to 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): .791 | Auto Ignition Temp.: N/A |
| Melting Point.....: N/A | Vapor Pressure (mm Hg): 52 | 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 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)

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 .: UN1170, Ethanol Solutions,3,II

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 | |
| Ethyl Alcohol | 64-17-5 | No | No | No | No | No | Yes | Yes | No | | |
| isopropyl Alcohol | 67-63-0 | No | No | No | No | No | Yes | No | No | | |
| Hematoxylin | 517-28-2 | No | No | No | No | No | No | No | No | | |
| Methyl Alcohol | 67-56-1 | No | No | No | No | No | Yes | Yes | No | | |

Section 16. Other Information

Review Date : 3/15/2023

Reviewed by : Admin

MSDS Group Id.: 70

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.: s216bb-1
 Common Name.: Weigerts Hematoxylin Solution B
 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 | <5% |
| Ferric Chloride | 10025-77-1 | | | | <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, Carbon Dioxide, Water Spray, Alcohol Foam

Special Fire and Explosion Remarks.: N/A

Section 6. Accidental Release Measures

Spill Cleanup and Disposal Special.: Warning! Corrosive! Wear protective clothing and respiratory equipment. 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, Vapor Respirator

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

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

Section 9. Physical and Chemical Properties

| | | |
|--------------------------------------|------------------------------------|--|
| Appearance.....: Clear yellow liquid | Evaporation Rate.....: N/A | Water Soluable?.....: Yes |
| Odor.....: Strong | 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).....: 1.18 | Auto Ignition Temp.....: N/A |
| Melting Point.....: N/A | Vapor Pressure (mm Hg).....: 190 | 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.: Hydrochloric Acid : Acute Oral (LD50): 900 mg/kg (Rat); Ferric Chloride: Acute Oral (LDLO0 900 mg/kg (Rat) I.V. (LDLO) 7 mg/kg (Rabbit)

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

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

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 | |
| Ferric Chloride | 10025-77-1 | No | No | No | No | No | No | No | No | |

Section 16. Other Information

Review Date : 3/15/2023

Reviewed by : Admin

MSDS Group Id.: 72

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.: s269-1
 Common Name.: Saffron 3% Alcoholic
 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
 302 Acute toxicity, oral Cat 4
 370 Specific target organ toxicity, single exposure Cat 1



Danger

Highly flammable liquid and vapour.

Harmful if swallowed. Causes damage to CNS, Kidneys and Liver.

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Use explosion-proof electrical/ ventilating/ lighting/ equipment.

Use only non-sparking tools. Take precautionary measures against static discharge. 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. IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell. Rinse mouth. IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. IF exposed: Call a POISON CENTER or doctor/ physician.

In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for

extinction. Store in a well-ventilated place tightly closed. Keep cool and 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 |
|-------------------|---------|------------|-------------|-------------|---------------------|
| Ethyl Alcohol | 64-17-5 | | 1,900.00 | | >50% |
| Isopropyl Alcohol | 67-63-0 | 1,225.00 | 980.00 | | <5% |
| Methyl Alcohol | 67-56-1 | 325.00 | 260.00 | | <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 Powder, Alcohol Foam, Carbon Dioxide

Special Fire and Explosion Remarks.: N/A

Section 6. Accidental Release Measures

Spill Cleanup and Disposal Special.: Warning!! Flammable!! 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.: Refrigerate

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

| | | |
|---------------------------------------|---------------------------------------|---|
| Appearance.....: Cloudy orange 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): 0.7915 | Auto Ignition Temp.: N/A |
| Melting Point.....: N/A | Vapor Pressure (mm Hg): 52 | 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 absorbion, 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);

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

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

| Component | CAS# | Sara Section 311 Reporting | | | | | | | | | |
|-------------------|---------|----------------------------|---------|------|----------|----------|---------|---------|--------|------|--|
| | | Acute | Chronic | Fire | Pressure | Reactive | SARA302 | SARA313 | CERCLA | RCRA | |
| Ethyl Alcohol | 64-17-5 | No | No | No | No | No | Yes | Yes | No | | |
| Isopropyl Alcohol | 67-63-0 | No | No | No | No | No | Yes | No | No | | |
| Methyl Alcohol | 67-56-1 | No | No | No | No | No | Yes | Yes | No | | |

Section 16. Other Information

Review Date : 3/15/2023

Reviewed by : Admin

MSDS Group Id.: 4

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.: s2087-1
 Common Name.: Alkaline Alcohol For Movats Pentachrome Kit
 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
 302 Acute toxicity, oral Cat 4
 314 Skin corrosion/irritation Cat 1A, B, C
 370 Specific target organ toxicity, single exposure Cat 1



Danger

Highly flammable liquid and vapour. Harmful if swallowed. Causes severe skin burns and eye damage. 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. Wear protective gloves/protective clothing/eye protection/face protection. Keep container tightly closed, locked up in well ventilated-area and cool. Ground/bond container and receiving equipment. 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.. 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. Immediately 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 |
|--------------------|-----------|------------|-------------|-------------|---------------------|
| Ethyl Alcohol | 64-17-5 | | 1,900.00 | | >50% |
| Ammonium Hydroxide | 1336-21-6 | 35.00 | 50.00 | | 5-10% |
| Isopropyl Alcohol | 67-63-0 | 1,225.00 | 980.00 | | <5% |
| Methyl Alcohol | 67-56-1 | 325.00 | 260.00 | | <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.: 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.: Splash Goggles, Gloves, Synthetic Apron, Vapor Respirator
 This information is provided as a guide but proper PPE can only be determined by the end user and their situation.
 Engineering Controls.: Provide local exhaust ventilation to keep the airborne concentrations of vapors below their respective threshold limit values. Ensure that eyewash stations and safety showers are local to the work-station.

Section 9. Physical and Chemical Properties

| | | | | | |
|--------------------------|------------------|-------------------------------|-------|-----------------------------|----------------------|
| Appearance..... | Colorless 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) | 0.791 | Auto Ignition Temp. | N/A |
| Melting Point..... | N/A | Vapor Pressure (mm Hg)..... | 52 | 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 500mg/24hr (Rabbit); Methyl Alcohol: Acute Oral (LD50) 5628 mg/kg (Rat) Acute Dermal 500mg/24hr (Rabbit);
Isopropyl Alcohol: Acute Oral (LD50) 5045 mg/kg (Rat) Acute Dermal 500mg/24hr Rabbit); Ammonium Hydroxide: Acute Oral (LD50) 350 mg/kg (Rat); I.V. (LDLO) 10 mg/kg (Rabbit)

Human Toxic Effects.: Target Organs: Upper Respiratory Tract, Skin, Eyes

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: Ammonium Hydroxide

| Component | CAS# | Sara Section 311 Reporting | | | | | | | | | |
|--------------------|-----------|----------------------------|---------|------|----------|----------|---------|---------|--------|------|--|
| | | Acute | Chronic | Fire | Pressure | Reactive | SARA302 | SARA313 | CERCLA | RCRA | |
| Ethyl Alcohol | 64-17-5 | No | No | No | No | No | Yes | Yes | No | | |
| Ammonium Hydroxide | 1336-21-6 | No | No | No | No | No | No | Yes | No | | |
| Isopropyl Alcohol | 67-63-0 | No | No | No | No | No | Yes | No | No | | |
| Methyl Alcohol | 67-56-1 | No | No | No | No | No | Yes | Yes | No | | |

Section 16. Other Information

Review Date : 3/15/2023

Reviewed by : Admin

MSDS Group Id.: 178

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.: s2015-1
 Common Name.: Acetic Acid 0.5% Aqueous
 Intended Use : In Vitro Diagnostic use. Laboratory Use Only
 IN CASE OF EMERGENCY, CONTACT: CHEMTREC (24HR) 800-424-9300

Manufacturer.: Poly Scientific R&D Corp.

70 Cleveland Ave
 Bay Shore NY 11706

polyrnd@polyrnd.com

Section 2. Hazard Identification**HARMFUL IF SWALLOWED OR INHALED**

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

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

TARGET ORGANS. None

FIRST AID. Call a physician at once!

For Fire. Use extinguishing media appropriate for surrounding fire.

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

Hazards not otherwise covered by GHS: None

Section 3. Composition Information

Exposure Limits(A blank value indicates no information available) The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

| Component | CAS# | PEL(mg/m3) | STEL(mg/m3) | CEIL(mg/m3) | Concentration Range |
|------------------------------|------|------------|-------------|-------------|---------------------|
| 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 |

Section 16. Other Information

Review Date : 3/15/2023

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.: s2090-1
 Common Name.: Phosphotungstic Acid 5% Aqueous
 Intended Use : In Vitro Diagnostic use. Laboratory Use Only
 IN CASE OF EMERGENCY, CONTACT: CHEMTREC (24HR) 800-424-9300

Manufacturer.: Poly Scientific R&D Corp.

70 Cleveland Ave
 Bay Shore NY 11706

polyrnd@polyrnd.com

Section 2. Hazard Identification

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 |
|----------------------|------------|------------|-------------|-------------|---------------------|
| Phosphotungstic Acid | 12501-23-4 | | 1.00 | 3.00 | <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 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 | 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.: 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 |
|----------------------|------------|-------|---------|------|----------|----------|---------|---------|--------|------|
| Phosphotungstic Acid | 12501-23-4 | No | No | No | No | No | No | No | No | No |

Section 16. Other Information

Review Date : 3/15/2023

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 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.