SAFETY DATA SHEET

Section 1. Product and Company Identification

Item Number: s167d-1
Common Name: Crystal Violet 1% Aqueous
Intended Use: In Vitro Diagnostic use. Laboratory Use Only
IN CASE OF EMERGENCY, CONTACT: CHEMTREC (24HR) 800-424-9300

Manufacturer: Poly Scientific R&D Corp
70 Cleveland Ave
Bay Shore, NY 11706
631-586-0400
polyrnd@polyrnd.com
www.polyrnd.com

Section 2. Hazard Identification

302 Acute toxicity, oral Cat 4
318 Serious eye damage/eye irritation Cat 1
350 Carcinogenicity Cat 1A, 1B

Danger
Harmful if swallowed.
Causes serious eye damage.
May cause cancer.

Obtain special instructions before use.
Do not handle until all safety precautions have been read and
understood. 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 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 or concerned: Get medical advice/ attention.
Collect spillage. 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)

Component	CAS#	PEL(mg/m3)	STEL(mg/m3)	CEIL(mg/m3)	Concentration Range
Crystal Violet	548-62-9				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 Spray, Dry Chemical, or Carbon Dioxide
Special Fire and Explosion Remarks: N/A

Section 6. Accidental Release Measures

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

Section 7. Handling and Storage

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

Section 8. Exposure Controls/Personal Protection

Personal Protective Equipment: Safety Glasses, Gloves, Synthetic Apron
This information is provided as a guide but proper PPE can only be determined by the end user and their situation.
Engineering Controls: Provide local exhaust ventilation to keep the airborne concentrations of vapors below their respective threshold limit values. Ensure that eyewash stations and safety showers are local to the work-station.

Section 9. Physical and Chemical Properties

Appearance .....: clear violet
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 absorbtion

Animal Toxicity: No occupational exposure limits established by OSHA, ACGIH or Niosh. Acute Oral (LD50); 420 mg/kg (Rat)

Human Toxic Effects: Target Organs: Eyes

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: 0; NMFC 43940-02(Liquid,Chemicals,IVD)Class85; ; 0

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
Crystal Violet	548-62-9	No	No	No	No	No	No	No	No	No

Section 16. Other Information

Review Date: 12/1/2015
Reviewed by: ddi
MSDS Group Id: 35

Notice: This MSDS 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 MSDS 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: s275-1
Common Name: Sodium Bicarbonate 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
631-586-0400
polyrnd@polyrnd.com
www.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)

Component	CAS#	PEL(mg/m3)	STEL(mg/m3)	CEIL(mg/m3)	Concentration Range
No OSHA hazardous					0-5%
Components					50-100 %

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: 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

Appearence .....: clear, colorless
Odor .....: N/A
Odor Threshhold.....: N/A
pH.....: N/A
Melting Point.....: N/A
Boiling Point .....: N/A
Flash Point (F) TCC .....: NA

Evaporation Rate .....: N/A
Upper Flammability Limit (%).: NA
Lower Flammability Limit (%).: NA
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: N/A

Special Remarks on Reactivity: N/A

Water Reactive: No

Section 11. Toxological 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: 12/8/2015
Reviewed by: ddi
MSDS Group Id: 2

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SAFETY DATA SHEET

Section 1. Product and Company Identification

Item Number: s2010-1
Common Name: Basic 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
631-586-0400
polyrnd@polyrnd.com
www.polyrnd.com

Section 2. Hazard Identification

350 Carcinogenicity Cat 1A, 1B

Warning
Suspected of causing cancer.
Use personal protective equipment as required. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. If exposed or concerned: Get medical advice/attention. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazards not otherwise covered by GHS: None

Section 3. Composition Information

Exposure Limits(A blank value indicates no information available)

Component	CAS#	PEL(mg/m3)	STEL(mg/m3)	CEIL(mg/m3)	Concentration Range
No OSHA hazardous Components					0-5% 50-100 %

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: 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

Appearence .....: clear fuschia
Odor .....: N/A
Odor Threshhold.....: N/A
pH.....: N/A
Melting Point.....: N/A
Boiling Point .....: N/A
Flash Point (F) TCC .....: NA

Evaporation Rate .....: N/A
Upper Flammability Limit (%).: NA
Lower Flammability Limit (%).: NA
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: N/A

Special Remarks on Reactivity: N/A

Water Reactive: No

Section 11. Toxological 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		No	No	No	No	No	No	No	No	No
Components		No	No	No	No	No	No	No	No	No

Section 16. Other Information

Review Date: 12/4/2015
Reviewed by: ddi
MSDS Group Id: 2

Notice: This MSDS 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: s1867-1
Common Name: Picric Acid Acetone 0.1%
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
631-586-0400
polyrnd@polyrnd.com
www.polyrnd.com

Section 2. Hazard Identification

225 Flammable Liquids Cat 2
320 Serious eye damage/eye irritation Cat 2B
336 Specific target organ toxicity, single exposure; Narcotic effects Cat 3

Danger
Highly flammable liquid and vapour.
Causes eye irritation.
May cause drowsiness and dizziness.

Keep away from heat/sparks/open flames/hot surfaces. No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautinary measures against static discharge. Avoid breathing dust/fume/gas/mist/vapours/spray. Wash hands/skin thoroughly after handling. Use only in well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. . 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 eye irritation persists: Get medical advice/attention. 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. Store locked up in a well ventilated place and keep cool. 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)

Component	CAS#	PEL(mg/m3)	STEL(mg/m3)	CEIL(mg/m3)	Concentration Range
Acetone	67-64-1	1,000.00	500.00		50-100 %

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: Carbon Dioxide or dry chemical for small. For large alcohol type or all purpose foam.
Special Fire and Explosion Remarks: N/A

Section 6. Accidental Release Measures

Spill Cleanup and Disposal Special: Warning! Extremely flammable! Eliminate ignition sources. Pick up spill with absorbent vermiculite
Spill Cleanup: Take up spills with absorbant material and containerize for proper disposal. Use proper PPE as per section 8. Provide ventilation.

Section 7. Handling and Storage

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

Section 8. Exposure Controls/Personal Protection

Personal Protective Equipment: Safety Glasses, Gloves, 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
Odor .....: Sharp, penetrating
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).....: 0.7915
Vapor Pressure (mm Hg).....: 184
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: Acute Oral (LD50) 975 mg/kg (Rat); Acute Dermal (LD50) 20 gm/kg (Rabbit); Acute Inhalation (LC50) 1600PPM/24hrs (Rat); Oral (TDLO) 2857 mg/kg (Man); Skin 500 mg/24hrs (mild irritation) (Rabbit); Eyes 100gm/24hrs (Moderate irritation) (Rabbit)

Human Toxic Effects: Target Organs:Eyes, skin, respiratory system, central nervous system

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

Potential Chronic Health Effects: N/A

Section 12. Ecological Information

Ecological Information: N/A

Section 13. Disposal Considerations

Waste Disposal: Dispose of in accordance with local,state and federal laws.

Section 14. Transport Information

DOT Identification: UN1090; Acetone; 3; II

Section 15. Regulatory Information

State Regulations: New York release reporting list: Acetone

Sara Section 311 Reporting

Component	CAS#	Acute	Chronic	Fire	Pressure	Reactive	SARA302	SARA313	CERCLA	RCRA
Acetone	67-64-1	No	No	No	No	No	No	No	Yes	No

Section 16. Other Information

Review Date: 12/1/2015
Reviewed by: ddi
MSDS Group Id: 149

SAFETY DATA SHEET

Section 1. Product and Company Identification

Item Number: s204-1
Common Name: Gram's Iodine
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
631-586-0400
polyrnd@polyrnd.com
www.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)

Component	CAS#	PEL(mg/m3)	STEL(mg/m3)	CEIL(mg/m3)	Concentration Range
No OSHA hazardous					0-5%
Components					50-100 %

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: 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

Appearence .....: clear brown
Odor .....: N/A
Odor Threshhold.....: N/A
pH.....: N/A
Melting Point.....: N/A
Boiling Point .....: N/A
Flash Point (F) TCC .....: NA

Evaporation Rate .....: N/A
Upper Flammability Limit (%).: NA
Lower Flammability Limit (%).: NA
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: N/A

Special Remarks on Reactivity: N/A

Water Reactive: No

Section 11. Toxological 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: 12/4/2015
Reviewed by: ddi
MSDS Group Id: 2

Notice: This MSDS 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: s178p-1
Common Name: Ether Acetone 1:1
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
631-586-0400
polyrnd@polyrnd.com
www.polyrnd.com

Section 2. Hazard Identification

224 Flammable Liquids Cat 1
302 Acute Toxicity, oral Cat 4
320 Serious eye damage/eye irritation Cat 2B
336 Specific target organ toxicity, single exposure; Narcotic effects Cat 3

Danger

Extremely flammable liquid and vapour. Harmful if swallowed. Causes eye irritation. May cause drowsiness or diziness.

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. 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. 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 eye irritation persists: Get medical advice/attention. 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)

Component	CAS#	PEL(mg/m3)	STEL(mg/m3)	CEIL(mg/m3)	Concentration Range
Ethyl Ether	60-29-7	1,520.00	1,200.00	500.00	25-50%
Acetone	67-64-1	1,000.00	500.00		25-50%

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 or Foam
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: Splash Goggles, Gloves, Synthetic Apron, Vapor Respirator
This information is provided as a guide but proper PPE can only be determined by the end user and their situation.
Engineering Controls: Provide local exhaust ventilation to keep the airborne concentrations of vapors below their respective threshold limit values. Ensure that eyewash stations and safety showers are local to the work-station.

Section 9. Physical and Chemical Properties

Appearence .....: clear colorless
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).....: 0.71
Vapor Pressure (mm Hg).....: N/A
Vapor Density (Air=1) .....: 2.6
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 absorbtion, Ingestion

Animal Toxicity: Acetone: Acute Oral (LD50) 9.75 (Rat) Acute Dermal (LD50) 20mg/kg (Rabbit); Ethyl Ether: Acute Oral (LD50) 9750 mg/kg (Rat) Acute Dermal (LD50) 360 mg/kg (Rabbit)

Human Toxic Effects: Target Organs: Eyes, skin, respiratory system, central nervous system

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

Potential Chronic Health Effects: N/A

Section 12. Ecological Information

Ecological Information: N/A

Section 13. Disposal Considerations

Waste Disposal: Dispose of in accordance with local,state and federal laws.

Section 14. Transport Information

DOT Identification: UN1090; Acetone; 3; II

Section 15. Regulatory Information

State Regulations: New York Release reporting list: Ethyl Ether, Acetone

Sara Section 311 Reporting

Component	CAS#	Acute	Chronic	Fire	Pressure	Reactive	SARA302	SARA313	CERCLA	RCRA
Ethyl Ether	60-29-7	No	No	No	No	No	No	No	Yes	No
Acetone	67-64-1	No	No	No	No	No	No	No	Yes	No

Section 16. Other Information

Review Date: 12/1/2015
Reviewed by: ddi
MSDS Group Id: 51

Notice: This MSDS 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 MSDS is based on reliable technical data, Poly Scientific R&D Corp. assumes no responcibility for the completeness or accuracy of the information contained herein.