

## Section 1. Product and Company Identification

Item Number: s162-1  
 Common Name: Carbol Fuchsin Ziehl Neelsen  
 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

227 Flammable Liquids Cat 4  
 301 Acute toxicity, oral Cat 3  
 311 Acute toxicity, dermal Cat 3  
 314 Skin corrosion/irritation Cat 1A, B, C  
 331 Acute toxicity, inhalation Cat 3  
 341 Germ cell mutagenicity Cat 2  
 350 Carcinogenicity Cat 1A, 1B  
 370 Specific target organ toxicity, single exposure Cat 1



Danger

Combustible Liquid. Toxic if swallowed, inhaled and in contact with skin. Causes severe skin burns and eye damage. Suspected of causing genetic defects. May cause cancer. Causes damage to eyes, blood and CNS.

Obtain special instructions before use. Do not handle until all precautions have been and understood. Keep away from heat/sparks/open flames/hot surfaces. -No smoking. Avoid breathing dust/fume/gas/mist/vapours/spray. Use only in a well-ventilated area. Wash hands/skin thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection. Keep container tightly closed, in well ventilated-area and cool. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge. In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Rinse mouth. Do not induce vomiting. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Wash skin with soap/water/shower. Call a POISON CENTER or doctor/physician if you feel unwell. Wash contaminated clothing before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. If exposed: Call a POISON CENTER or doctor/physician. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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)

Component	CAS#	PEL(mg/m3)	STEL(mg/m3)	CEIL(mg/m3)	Concentration Range
Ethyl Alcohol	64-17-5		1,900.00		5-10%
Isopropyl Alcohol	67-63-0	1,225.00	980.00		0-5%
Phenol	108-5-2		5.00		5-10%
Basic Fuchsin	569-61-9				0-5%
Methyl Alcohol	67-56-1	325.00	260.00		0-5%

## Section 4. First Aid Measures

Eye Contact: Check for and remove contact lenses. Wash with large amounts of water for 15 minutes. Seek medical attention.

Skin Contact: Remove contaminated clothing and shoes. Wash the affected area with large with soap and water. Seek medical attention

Ingestion: Give two glasses of water to a conscious victim. Do not induce vomiting. Seek medical attention

Inhalation: Move person to fresh air. If 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 and 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 Goggles, Gloves,vapor Respirator

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

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

## Section 9. Physical and Chemical Properties

Appearance .....	clear fuschia	Evaporation Rate.....	N/A	Water Soluable? .....	Yes
Odor.....	N/A	Upper Flammability Limit (%):	N/A	Volatile Percent .....	1.6
Odor Threshold.....	N/A	Lower Flammability Limit (%):	N/A	Partition Coefficient.....	n-octanol/water: N/A
pH.....	0.791	Specific Gravity (@ 20C).....	52	Auto Ignition Temp. ....	N/A
Melting Point.....	N/A	Vapor Pressure (mm Hg).....	100	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, Ingestion, Skin absorption

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 (LD50): 500mg/24hr (Rabbit); Isopropyl Alc: Acute Oral (LD50): 500 (rabbit); Phenol: Acute Oral (LD50) 317 mg/kg (Rat) Acute Dermal (LD50) 850 mg/kg (Rabbit); Basic Fuchsin: Acute Oral (LD50) 5000 mg/kg (Mouse)

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

Potential Chronic Health Effects: Isopropyl Alcohol: IARC Code 3 Phenol: 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: 0; Ethanol solution; ; 0

## Section 15. Regulatory Information

State Regulations: New York release reporting list: Phenol

## Sara Section 311 Reporting

Component	CAS#	Acute	Chronic	Fire	Pressure	Reactive	SARA302	SARA313	CERCLA	RCRA
Ethyl Alcohol	64-17-5	No	No	No	No	No	No	Yes	Yes	No
Isopropyl Alcohol	67-63-0	No	No	No	No	No	No	Yes	No	No
Phenol	108-5-2	No	No	No	No	No	Yes	Yes	Yes	No
Basic Fuchsin	569-61-9	No	No	No	No	No	No	No	No	No
Methyl Alcohol	67-56-1	No	No	No	No	No	No	Yes	Yes	No

## Section 16. Other Information

Review Date: 12/17/2015

Reviewed by: ddi

MSDS Group Id: 28

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 responsibility to develop 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&amp;D Corp. assumes no responsibility for the completeness or accuracy of the information contained herein.

## Section 1. Product and Company Identification

Item Number: s2078-1  
 Common Name: Phosphate Buffer 0.1M pH 7.5  
 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 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 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, colorless	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: 0; NMFC 43940-02(Liquid, Chemicals, IVD) Class 85 ; 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	SARA 302	SARA 313	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

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## Section 1. Product and Company Identification

Item Number: s2198-1  
 Common Name: Malachite Green 0.8% 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

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 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 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 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 green	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	SARA 302	SARA 313	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

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