

## Section 1. Product and Company Identification

Item Number: s2007-1  
 Common Name: Alizarin Red S 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

315 Skin corrosion/irritation Cat 2  
 319 Serious eye damage/eye irritation Cat 2A  
 335 Specific target organ toxicity, single exposure: Respiratory tract irritation Cat 3



## Warning

Causes skin irritation and serious eye irritation.  
 May cause respiratory irritation.

Wash hands/skin thoroughly after handling. Use only in well-ventilated area. In case of inadequate ventilation wear respiratory ventilation. Wear protective gloves/ eye protection/ face protection/protective clothing. IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/ attention. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a POISON CENTER or doctor/ physician if you feel unwell. If eye irritation persists: Get medical advice/ attention. Take off contaminated clothing and wash before reuse. Store locked up. Dispose of contents/container to an approved waste disposal plant.

Hazards not otherwise covered by GHS: None

## Section 3. Composition Information

Exposure Limits(A blank value indicates no information available)

Component	CAS#	PEL(mg/m3)	STEL(mg/m3)	CEIL(mg/m3)	Concentration Range
Alizarin Red S	130-22-3				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: 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 red	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: N/A

Human Toxic Effects: Target Organs: N/A

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	SARA 302	SARA 313	CERCLA	RCRA
Alzarin Red S	130-22-3	No	No	No	No	No	No	No	No	No

**Section 16. Other Information**

Review Date: 12/17/2015

Reviewed by: ddi

MSDS Group Id: 167

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: s2006-1  
 Common Name: Ammonium Hydroxide 0.1% 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**

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: 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

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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## Section 1. Product and Company Identification

Item Number: s230b-1  
 Common Name: Fast Green Substitute For LT Green 1% Aqueous  
 Intended Use: In Vitro Diagnostic use. Laboratory Use Only  
 IN CASE OF EMERGENCY, CONTACT: CHEMTREC (24HR) 800-424-9300

Manufacturer: Poly Scientific R&D Corp

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 Bay Shore, NY 11706  
 631-586-0400  
 polyrnd@polyrnd.com  
 www.polyrnd.com

## Section 2. Hazard Identification

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



Danger

Causes severe skin burns and eye damage. Suspected of causing genetic defects.

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapours/spray. Wash hands/skin thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection. Keep container tightly closed, locked up in well ventilated-area and cool. Take precautionary measures against static discharge. Take off contaminated clothing and wash before reuse. In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. Do not induce vomiting. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. If exposed: Call a POISON CENTER or doctor/physician. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Dispose of contents/container to an approved waste disposal plant.

Hazards not otherwise covered by GHS: None

## Section 3. Composition Information

Exposure Limits(A blank value indicates no information available)

Component	CAS#	PEL(mg/m <sup>3</sup> )	STEL(mg/m <sup>3</sup> )	CEIL(mg/m <sup>3</sup> )	Concentration Range
Acetic Acid, Glacial	64-19-7	15.00	10.00		0-5%

## Section 4. First Aid Measures

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

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

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

Inhalation: Move person to fresh air. If 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 : Wtare, Dry Chemical Foam, or Carbon Dioxide

Special Fire and Explosion Remarks : N/A

## Section 6. Accidental Release Measures

Spill Cleanup and Disposal Special : Caution! Corrosive! Neutralize alkaline material (soda ash) Take up spills with absorbent material

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

## Section 7. Handling and Storage

Storage and Handling Special : N/A

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

## Section 8. Exposure Controls/Personal Protection

Personal Protective Equipment : Safety Glasses, Gloves, Vapor Respirator

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

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

## Section 9. Physical and Chemical Properties

Appearance .....	clear green	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) .....	2.12	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: Ingestion, Inhalation, Skin Absorption

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

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

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

Potential Chronic Health Effects : Light Green SF: IARC Code 3

**Section 12. Ecological Information**

Ecological Information : N/A

**Section 13. Disposal Considerations**

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

**Section 14. Transport Information**

DOT Identification : Non Hazardous

**Section 15. Regulatory Information**

State Regulations New York release reporting list: Acetic Acid

## Sara Section 311 Reporting

Component	CAS#	Acute	Chronic	Fire	Pressure	Reactive	SARA 302	SARA 313	CERCLA	RCRA
Acetic Acid, Glacial	64-19-7	No	No	No	No	No	No	No	Yes	No

**Section 16. Other Information**

Review Date: 12/17/2015

Reviewed by: ddi

MSDS Group Id: 78

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