

## Section 1. Product and Company Identification

Item Number: c803-1  
 Common Name: Acetone ACS  
 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 precautionary 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 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: 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

|                           |                               |                             |
|---------------------------|-------------------------------|-----------------------------|
| Appearance .....          | Evaporation Rate .....        | Water Soluable? .....       |
| Odor .....                | Upper Flammability Limit (%): | Volatile Percent .....      |
| Odor Threshold .....      | Lower Flammability Limit (%): | Partition Coefficient ..... |
| pH .....                  | Specific Gravity (@ 20C)..... | Auto Ignition Temp .....    |
| Melting Point .....       | Vapor Pressure (mm Hg) .....  | Decomposition Temp .....    |
| Boiling Point .....       | Vapor Density (Air=1) .....   | Viscosity .....             |
| Flash Point (F) TCC ..... | Relative Density .....        |                             |

**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) 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; NMFC 43940-02(Liquid, Chemicals, IVD) Class 85; 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 | SARA 302 | SARA 313 | CERCLA | RCRA |
|-----------|---------|-------|---------|------|----------|----------|----------|----------|--------|------|
| Acetone   | 67-64-1 | No    | No      | No   | No       | No       | No       | No       | Yes    | No   |

**Section 16. Other Information**

Review Date: 12/17/2015

Reviewed by: ddi

MSDS Group Id: 149

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: s168-1  
 Common Name: Crystal Violet Gram's  
 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  
 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  
 370 Specific target organ toxicity, single exposure Cat 1



Danger

Highly flammable liquid and vapour. Toxic if swallowed. Toxic in contact with skin. Causes severe skin burns and eye damage. Toxic if inhaled. Suspected of causing genetic defects. Causes damage to eyes, blood and CNS.

Obtain special instructions before use. Do not handle until all precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. -No smoking. Do not breathe dust/fume/gas/mist/vapours/spray. Wash hands/skin thoroughly after handling. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection. Keep container tightly closed, locked up in well ventilated-area and cool. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Take off contaminated clothing and wash before reuse. In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish. IF SWALLOWED: 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. 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/m <sup>3</sup> ) | STEL(mg/m <sup>3</sup> ) | CEIL(mg/m <sup>3</sup> ) | Concentration Range |
|-------------------|----------|-------------------------|--------------------------|--------------------------|---------------------|
| Ethyl Alcohol     | 64-17-5  |                         | 1,900.00                 |                          | 5-10%               |
| Crystal Violet    | 548-62-9 |                         |                          |                          | 0-5%                |
| Isopropyl Alcohol | 67-63-0  | 1,225.00                | 980.00                   |                          | 0-5%                |
| Phenol            | 108-5-2  |                         | 5.00                     |                          | 0-5%                |
| Methyl Alcohol    | 67-56-1  | 325.00                  | 260.00                   |                          | 0-5%                |

## Section 4. First Aid Measures

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

Skin Contact: Remove contaminated clothing and shoes. Wash the affected area with large amount of 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: Warning! Flammable! Eliminate ignition sources. Take up spill with absorbent material.

Spill Cleanup: Take up spills with absorbent 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 violet | 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).....: .0791 | 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 (LD50) 500mg/24hr (Rabbit); Isopropyl Alc: Acute Oral (LD50): 5045 mg/kg (Rat); Acute Dermal (LD50) 500mg (Rabbit); Phenol: Acute Oral (LD50) 317 mg/kg (Rat) Acute Dermal (LD50) 850 mg/kg (Rabbit); No occupational exposure limits established

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; 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; NMFC 43940-02(Liquid, Chemicals, IVD) Class 85; ; 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   |
| Crystal Violet    | 548-62-9 | No    | No      | No   | No       | No       | No      | No      | No     | 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   |
| 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: 36

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.

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## 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 Components |      |            |             |             | 0-5%<br>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 .....          | dear brown | 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.

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

## Section 1. Product and Company Identification

Item Number: s267-1  
 Common Name: Safranin O Counterstain (Gram) 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

318 Serious eye damage/eye irritation Cat 1



Danger

Causes serious eye damage

Wear protective gloves/protective clothing/eye protection/face protection.

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

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 |
|------------|----------|------------|-------------|-------------|---------------------|
| Safranin O | 477-73-6 |            |             |             | 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 : 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 : 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, 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, colorless | 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. Toxological Information**

Routes of Entry: Inhalation, Skin Absorption, Ingestion

Animal Toxicity: No data available

Human Toxic Effects: Target Organs:

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 |
|------------|----------|-------|---------|------|----------|----------|----------|----------|--------|------|
| Safranin O | 477-73-6 | No    | No      | No   | No       | No       | No       | No       | No     | No   |

**Section 16. Other Information**

Review Date: 12/17/2015

Reviewed by: ddi

MSDS Group Id: 105

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: s284-1  
 Common Name: Tartrazine 1.5% 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

314 Skin corrosion/irritation Cat 1A, B, C  
 334 Sensitiser, respiratory Cat 1



Danger

Causes severe skin burns and eye damage. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Do not breathe dust/fume/gas/mist/vapours/spray. Wash hands/skin thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection. In case of inadequate ventilation wear respiratory ventilation. Keep container tightly closed, in a 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: 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 INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: 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 |
|----------------------|-----------|------------|-------------|-------------|---------------------|
| Acetic Acid, Glacial | 64-19-7   | 15.00      | 10.00       |             | 0-5%                |
| Tartrazine           | 1934-21-0 |            |             |             | 0-5%                |

## Section 4. First Aid Measures

Eye Contact: Check for and remove contact lenses. Wash with large amounts of water for 15 minutes. Seek medical attention.  
 Skin Contact: Remove contaminated clothing and shoes. Wash the affected area with large with soap and water. Seek medical attention  
 Ingestion: Give two glasses of water to a conscious victim. Do not induce vomiting. Seek medical attention  
 Inhalation: Move person to fresh air. If 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 : Wera protective clothing and respirator equipment. Disperse vapors with water spray and dilute spill. Pick up with absorbent  
 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 orange | Evaporation Rate .....          | N/A  | Water Soluable? .....       | Yes                  |
| Odor .....                | Vinegar like        | 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 Absorption, Ingestion

Animal Toxicity: Glacial Acetic Acid: Acute Oral (LD50): 3310 mg/kg (Rat); Acute Dermal(LD50): 1060 mg/kg (Rabbit); Acute Vapor(LC50): 5620 1hr(mouse); Tartrazine: Acute Oral (LD50) 1600-3200 mg/kg (Rat ) Acute Dermal (LD50) GT20 cc/kg (Guinea Pig)

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 : 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 : UN2801; Dye, liquid, corrosive, n.o.s. (Acetic Acid); 8; III

**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   |
| Tartrazine           | 1934-21-0 | No    | No      | No   | No       | No       | No       | No       | No     | No   |

**Section 16. Other Information**

Review Date: 12/17/2015

Reviewed by: ddi

MSDS Group Id: 115

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