

**Section 1. Product and Company Identification**

Item Number.: s122-1  
 Common Name.: Basic Fuchsin 0.5% Aqueous  
 Intended Use : In Vitro Diagnostic use. Laboratory Use Only  
 IN CASE OF EMERGENCY, CONTACT: CHEMTREC (24HR) 800-424-9300

Manufacturer.: Poly Scientific R&D Corp.

70 Cleveland Ave  
 Bay Shore NY 11706

polyrnd@polyrnd.com

**Section 2. Hazard Identification**

350 Carcinogenicity Cat1A, 1B



Warning

Suspected of causing cancer

Use personal protective equipment as requires. 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) The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

Component	CAS#	PEL(mg/m3)	STEL(mg/m3)	CEIL(mg/m3)	Concentration Range
Basic Fuchsin	569-61-9				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 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, Water Spray or Carbon Dioxide

Special Fire and Explosion Remarks ..: N/A

**Section 6. Accidental Release Measures**

Spill Cleanup and Disposal Special ..: Pick up with absorbentvermiculite

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

**Section 10. Stability and reactivity**

Special Remarks on Stability...: Stable

Special Remarks on Reactivity...: N/A

Water Reactive.: No

**Section 11. Toxicological Information**

Routes of Entry.: Inhalation, Skin Absorption, Ingestion

Animal Toxicity.: Acute Oral (LD50) 5gm/kg (Mouse)

Human Toxic Effects.: Target Organs: Blood, Liver

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

Potential Chronic Health Effects...: Mutagenic.

**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
Basic Fuchsin	569-61-9	No	No	No	No	No	No	No	No	No

**Section 16. Other Information**

Review Date : 3/14/2023

Reviewed by : Admin

MSDS Group Id.: 19

Notice: This SDS applies only to the material as packaged. If the material is altered by any means it may pose risks not mentioned here.

It is the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use.

While this SDS is based on reliable technical data, Poly Scientific R&D Corp. assumes no responsibility for the completeness or accuracy of the information contained herein.

**Section 1. Product and Company Identification**

Item Number.: s163d-1  
 Common Name.: Cellosolve  
 Intended Use : In Vitro Diagnostic use. Laboratory Use Only  
 IN CASE OF EMERGENCY, CONTACT: CHEMTREC (24HR) 800-424-9300

Manufacturer.: Poly Scientific R&D Corp.

70 Cleveland Ave  
 Bay Shore NY 11706

polyrnd@polyrnd.com

**Section 2. Hazard Identification**

226 Flammable Liquids Cat 3  
 302 Acute toxicity, oral Cat 4  
 331 Acute toxicity, inhalation Cat 3  
 360 Reproductive toxicity Cat 1A, 1B



Danger!

Flammable liquid and vapour.

Harmful if swallowed.

Toxic if inhaled.

May damage fertility or the unborn child.

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. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area.

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

IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you

feel unwell. Rinse mouth. IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.

IF INHALED: Remove victim to fresh air and keep at rest in a position

comfortable for breathing. Call a POISON CENTER or doctor/ physician.

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

extinction. Store locked up in a cool, well ventilated place. Keep container tightly closed. Dispose of contents/container to an approved waste disposal plant.

Hazards not otherwise covered by GHS: None

**Section 3. Composition Information**

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

Component	CAS#	PEL(mg/m3)	STEL(mg/m3)	CEIL(mg/m3)	Concentration Range
Ethylene Glycol Monethyl	110-80-5		18.00		>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 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.: Alcohol type or all purpose type foam, Carbon Dioxide or Dry Chemical

Special Fire and Explosion Remarks.: N/A

**Section 6. Accidental Release Measures**

Spill Cleanup and Disposal Special.: Dike spill and take up 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.: NA

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.....: Colorless liquid	Evaporation Rate.....: N/A	Water Soluable?.....: Yes
Odor.....: N/A	Upper Flammability Limit (%): N/A	Volatile Percent.....: 100
Odor Threshold.....: N/A	Lower Flammability Limit (%): N/A	Partition Coefficient.....: n-octanol/water: N/A
pH.....: N/A	Specific Gravity (@20C).....: 0.931	Auto Ignition Temp.....: N/A
Melting Point.....: N/A	Vapor Pressure (mm Hg).....: 4.1	Decomposition Temp.....: N/A
Boiling Point.....: N/A	Vapor Density (Air=1).....: 3.1	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.: N/A

Human Toxic Effects.: Target Organs: Central Nervous System, Kidneys

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

Potential Chronic Health Effects...: Repeated or prolonged exposure to the substance can produce target organs damage

**Section 12. Ecological Information**

Ecological Information.: N/A

**Section 13. Disposal Considerations**

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

**Section 14. Transport Information**

DOT Identification.: UN1171, ETHYLENE GLY MONOETHYL ETHER,3,III

**Section 15. Regulatory Information**

State Regulations.: New York release reporting list: Ethylene Glycol

## Sara Section 311 Reporting

Component	CAS#	Acute	Chronic	Fire	Pressure	Reactive	SARA302	SARA313	CERCLA	RCRA
Ethylene Glycol Monethyl	110-80-5	No	No	No	No	No	Yes	No	Yes	

**Section 16. Other Information**

Review Date : 3/14/2023

Reviewed by : Admin

MSDS Group Id.: 30

Notice: This SDS applies only to the material as packaged. If the material is altered by any means it may pose risks not mentioned here.

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**Section 1. Product and Company Identification**

Item Number.: 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

polyrnd@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) The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

Component	CAS#	PEL(mg/m3)	STEL(mg/m3)	CEIL(mg/m3)	Concentration Range
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 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.....: Violet liquid	Evaporation Rate.....: N/A	Water Soluable? .....: Yes
Odor.....: N/A	Upper Flammability Limit (%): N/A	Volatile Percent .....: N/A
Odor Threshold .....: N/A	Lower Flammability Limit (%): N/A	Partition Coefficient.....: n-octanol/water: N/A
pH .....: N/A	Specific Gravity (@20C) .....: N/A	Auto Ignition Temp. ....: N/A
Melting Point.....: N/A	Vapor Pressure (mm Hg) .....: N/A	Decomposition Temp .....: N/A
Boiling Point.....: N/A	Vapor Density (Air=1) .....: N/A	Viscosity .....: N/A
Flash Point (F) TCC.....: N/A	Relative Density .....: N/A	

**Section 10. Stability and reactivity**

Special Remarks on Stability...: Stable

Special Remarks on Reactivity...: N/A

Water Reactive.: No

**Section 11. Toxicological Information**

Routes of Entry.: Inhalation, Skin 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 .: 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
Crystal Violet	548-62-9	No	No	No	No	No	No	No	No	No

**Section 16. Other Information**

Review Date : 3/14/2023

Reviewed by : Admin

MSDS Group Id.: 35

Notice: This SDS applies only to the material as packaged. If the material is altered by any means it may pose risks not mentioned here.

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**Section 1. Product and Company Identification**

Item Number.: s189-1  
 Common Name.: Gallego's Differentiating Solution  
 Intended Use : In Vitro Diagnostic use. Laboratory Use Only  
 IN CASE OF EMERGENCY, CONTACT: CHEMTREC (24HR) 800-424-9300

Manufacturer.: Poly Scientific R&D Corp.

70 Cleveland Ave  
 Bay Shore NY 11706

polyrnd@polyrnd.com

**Section 2. Hazard Identification**

226 Flammable Liquids Cat 3  
 302 Acute toxicity, oral Cat 4  
 314 Skin corrosion/irritation Cat 1A, B, C  
 317 Sensitiser, Skin Cat 1  
 318 Serious eye damage/eye irritation Cat 1



Danger

Flammable liquid and vapour. Harmful if swallowed. Causes severe skin burns and eye damage. May cause allergic skin reaction. Causes serious eye damage. 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. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Take off contaminated clothing and wash before reuse. In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. Do not induce vomiting. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Wash with plenty of water and soap/shower. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. If skin irritation or rash occurs: 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, tightly closed and 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) The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

Component	CAS#	PEL(mg/m3)	STEL(mg/m3)	CEIL(mg/m3)	Concentration Range
Acetic Acid, Glacial	64-19-7	15.00	10.00		0-5%
Methanol	67-56-1	325.00	260.00		0-5%
Formaldehyde	50-00-0	0.37	2.00		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.: Dry Chemical, Alcoholic Foam, Carbon Dioxide, Water Spray, Fog  
 Special Fire and Explosion Remarks.: N/A

**Section 6. Accidental Release Measures**

Spill Cleanup and Disposal Special.: Eliminate ignition sources. Use water spray to disperse vapors. Pick up 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.....: Colorless liquid	Evaporation Rate.....: N/A	Water Soluable?.....: Yes
Odor.....: Pungent, suffocating	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).....: 1.047	Auto Ignition Temp. ....: N/A
Melting Point.....: N/A	Vapor Pressure (mm Hg).....: 152	Decomposition Temp.....: N/A
Boiling Point.....: N/A	Vapor Density (Air=1).....: 0.83	Viscosity.....: N/A
Flash Point (F) TCC.....: N/A	Relative Density.....: N/A	

**Section 10. Stability and reactivity**

Special Remarks on Stability.: Stable

Special Remarks on Reactivity.: N/A

Water Reactive.: No

**Section 11. Toxicological Information**

Routes of Entry.: Inhalation, Skin absorbion, Ingestion

Animal Toxicity.: Glacial Acetic Acid: Acute Oral (LD50): 3310 mg/kg (Rat); Acute Dermal(LD50): 1060 mg/kg (Rabbit); Acute Vapor(LC50): 5620 1hr(mouse); Formaldehyde: Acute Oral (LD50) 42 mg/kg (Mouse) Acute Dermal (LD50) 0.27 mg/kg (Rabbit); Methanol: Acute Oral (LD50) 6.2-13 mg/kg (Rat)

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...: Formaldehyde: OSHA Carcinogen; IARC Code 3; NTP Code 2

**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: Formaldehyde, Methanol, Acetic Acid

Component	CAS#	Sara Section 311 Reporting									
		Acute	Chronic	Fire	Pressure	Reactive	SARA302	SARA313	CERCLA	RCRA	
Acetic Acid, Glacial	64-19-7	No	No	No	No	No	No	No	Yes	No	
Methanol	67-56-1	No	No	No	No	No	Yes	Yes	No	No	
Formaldehyde	50-00-0	No	No	No	No	Yes	Yes	Yes	No	No	

**Section 16. Other Information**

Review Date : 3/14/2023

Reviewed by : Admin

MSDS Group Id.: 58

Notice: This SDS applies only to the material as packaged. If the material is altered by any means it may pose risks not mentioned here. It is the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use.

While this SDS is based on reliable technical data, Poly Scientific R&D Corp. assumes no responsibility for the completeness or accuracy of the information contained herein.



**Section 1. Product and Company Identification**

Item Number.: 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

polyrnd@polyrnd.com

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

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

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

TARGET ORGANS. None

FIRST AID. Call a physician at once!

For Fire. Use extinguishing media appropriate for surrounding fire.

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

Hazards not otherwise covered by GHS: None

**Section 3. Composition Information**

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

Component	CAS#	PEL(mg/m3)	STEL(mg/m3)	CEIL(mg/m3)	Concentration Range
No OSHA hazardous Components					

**Section 4. First Aid Measures**

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

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

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

Inhalation : Move person to fresh air. If necessary give CPR; warning this could pose a risk of exposure to the rescue breather. Seek medical attention

The most important known symptoms and effects are described in section 2 and/or section 11.

**Section 5. Fire Fighting Measures**

Extinguishing Media.: N/A

Special Fire and Explosion Remarks ...: NA

**Section 6. Accidental Release Measures**

Spill Cleanup and Disposal Special ...: N/A

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

**Section 7. Handling and Storage**

Storage and Handling Special...: N/A

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

**Section 8. Exposure Controls/Personal Protection**

Personal Protective Equipment ...: N/A

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

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

**Section 9. Physical and Chemical Properties**

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

**Section 10. Stability and reactivity**

Special Remarks on Stability...: N/A

Special Remarks on Reactivity...: N/A

Water Reactive.: No

**Section 11. Toxicological Information**

Routes of Entry.: N/A

Animal Toxicity.: N/A

Human Toxic Effects.: N/A

Potential Acute Health Effects...: N/A

Potential Chronic Health Effects...: N/A

**Section 12. Ecological Information**

Ecological Information.: N/A

**Section 13. Disposal Considerations**

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

**Section 14. Transport Information**

DOT Identification.: Non Hazardous

**Section 15. Regulatory Information**

State Regulations.: New York release reporting list: N/A

## Sara Section 311 Reporting

Component	CAS#	Acute	Chronic	Fire	Pressure	Reactive	SARA302	SARA313	CERCLA	RCRA
No OSHA hazardous Components		No	No	No	No	No	No	No	No	No

**Section 16. Other Information**

Review Date : 3/14/2023

Reviewed by : Admin

MSDS Group Id.: 2

Notice: This SDS applies only to the material as packaged. If the material is altered by any means it may pose risks not mentioned here.

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While this SDS is based on reliable technical data, Poly Scientific R&D Corp. assumes no responsibility for the completeness or accuracy of the information contained herein.

**Section 1. Product and Company Identification**

Item Number.: 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

polyrnd@polyrnd.com

**Section 2. Hazard Identification**

314 Skin corrosion/irritation Cat 1A, B, C  
 334 Sensitization, 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) The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

Component	CAS#	PEL(mg/m3)	STEL(mg/m3)	CEIL(mg/m3)	Concentration Range
Acetic Acid, Glacial	64-19-7	15.00	10.00		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...: Wear protective clothing and respirator equipment. Disperse vapors with water spray and dilute spill. Pick up with absorbent mater

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 liquid	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 .: 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	SARA302	SARA313	CERCLA	RCRA
Acetic Acid, Glacial	64-19-7	No	No	No	No	No	No	Yes	No	
Tartrazine	1934-21-0	No	No	No	No	No	No	No	No	

**Section 16. Other Information**

Review Date : 3/14/2023

Reviewed by : Admin

MSDS Group Id.: 115

Notice: This SDS applies only to the material as packaged. If the material is altered by any means it may pose risks not mentioned here.

It is the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use.

While this SDS is based on reliable technical data, Poly Scientific R&D Corp. assumes no responsibility for the completeness or accuracy of the information contained herein.