

Section 1. Product and Company Identification

Item Number: s108d-1
 Common Name: Acidulated Water
 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.

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: s2165-1
 Common Name: Silver Nitrate 1% For Warthin Starry Method
 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

272 Oxidising liquids; Oxidising solids Cat 2
 302 Acute toxicity, oral Cat 4
 314 Skin corrosion/irritation Cat 1A, B, C



Danger
 May intensify fire; oxidiser.
 Harmful if swallowed.
 Causes severe skin burns and eye damage.

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
 Keep/Store away from clothing/ combustible materials.
 Take any precaution to avoid mixing with combustibles. 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. 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. 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. 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.
 Wash contaminated clothing before reuse. In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction. 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/m ³)	STEL(mg/m ³)	CEIL(mg/m ³)	Concentration Range
Silver Nitrate	777-88-8		0.01		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: 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: Refrigerate
 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. Toxicological Information

Routes of Entry: Inhalation, Skin Absorption, Ingestion

Animal Toxicity: Acute Oral (LD50) 05 mg/kg (Mouse); Intraperitoneal (LD50) 22 mg/kg (Mouse); Acute Oral (LD50) 20 mg/kg (Dog); Acute Oral (LDLO) 800 mg/kg (Rabbit); I.V. (DLO) 8800 ug/kg (Rabbit); Unknown (LDLO) 29 mg/kg (Man)

Human Toxic Effects: Target Organs: Nasal septum, Skin, 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: Silver Nitrate

Sara Section 311 Reporting

Component	CAS#	Acute	Chronic	Fire	Pressure	Reactive	SARA302	SARA313	CERCLA	RCRA
Silver Nitrate	777-88-8	No	No	No	No	No	No	Yes	Yes	No

Section 16. Other Information

Review Date: 12/17/2015

Reviewed by: ddi

MSDS Group Id: 155

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: S2166-1
 Common Name: Silver Nitrate 2% For Warthin Starry Method
 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

272 Oxidising liquids; Oxidising solids Cat 2
 302 Acute toxicity, oral Cat 4
 314 Skin corrosion/irritation Cat 1A, B, C



Danger
 May intensify fire; oxidiser.
 Harmful if swallowed.
 Causes severe skin burns and eye damage.

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
 Keep/Store away from clothing/ combustible materials.
 Take any precaution to avoid mixing with combustibles. 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. 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. 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. 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.
 Wash contaminated clothing before reuse. In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction. 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/m ³)	STEL(mg/m ³)	CEIL(mg/m ³)	Concentration Range
Silver Nitrate	777-88-8		0.01		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: 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: Refrigerate
 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. Toxicological Information

Routes of Entry: Inhalation, Skin Absorption, Ingestion

Animal Toxicity: Acute Oral (LD50) 05 mg/kg (Mouse); Intraperitoneal (LD50) 22 mg/kg (Mouse); Acute Oral (LD50) 20 mg/kg (Dog); Acute Oral (LDLO) 800 mg/kg (Rabbit); I.V. (DLO) 8800 ug/kg (Rabbit); Unknown (LDLO) 29 mg/kg (Man)

Human Toxic Effects: Target Organs: Nasal septum, Skin, 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: Silver Nitrate

Sara Section 311 Reporting

Component	CAS#	Acute	Chronic	Fire	Pressure	Reactive	SARA302	SARA313	CERCLA	RCRA
Silver Nitrate	777-88-8	No	No	No	No	No	No	Yes	Yes	No

Section 16. Other Information

Review Date: 12/17/2015

Reviewed by: ddi

MSDS Group Id: 155

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: s190b-1
 Common Name: Gelatin 5% Solution
 Intended Use: In Vitro Diagnostic use. Laboratory Use Only
 IN CASE OF EMERGENCY, CONTACT: CHEMTREC (24HR) 800-424-9300

Manufacturer: Poly Scientific R&D Corp

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

Section 2. Hazard Identification

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
Glacial Acetic Acid	64-19-7				0-5%
Ethylene Glycol	107-21-1				10-25%
Aluminum Sulfate	7783-20-2				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: Refrigerate

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 light straw	Evaporation Rate	N/A	Water Soluable?	Yes
Odor	Slight vinegar	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: Glacial Acetic Acid: Acute Oral (LD50): 3310 mg/kg (Rat); Acute Dermal(LD50): 1060 mg/kg (Rabbit); Ethylene Glycol: Acute Oral (LD50) 4700 mg/kg (Rat) Acute Dermal (LD50) 19.4 g/kg (Rabbit); Aluminum Sulfate: Acute Oral (LD50) 6207 mg/kg (Mouse) I.P. (LD50) 1735 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: 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: Glacial Acetic Acid

Sara Section 311 Reporting

Component	CAS#	Acute	Chronic	Fire	Pressure	Reactive	SARA 302	SARA 313	CERCLA	RCRA
Glacial Acetic Acid	64-19-7	No	No	No	No	No	No	No	Yes	No
Ethylene Glycol	107-21-1	No	No	No	No	No	No	Yes	Yes	No
Aluminum Sulfate	7783-20-2	No	No	No	No	No	No	No	No	No

Section 16. Other Information

Review Date: 12/17/2015

Reviewed by: ddi

MSDS Group Id: 73

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: s1834-1
 Common Name: Hydroquinone 0.15% Solution (Acidified)
 Intended Use: In Vitro Diagnostic use. Laboratory Use Only
 IN CASE OF EMERGENCY, CONTACT: CHEMTREC (24HR) 800-424-9300

Manufacturer: Poly Scientific R&D Corp

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

Section 2. Hazard Identification

302 Acute toxicity, oral Cat 4
 317 Sensitiser, Skin Cat 1
 318 Serious eye damage/eye irritation Cat 1
 341 Germ cell mutagenicity Cat 2
 350 Carcinogenicity Cat 1A, 1B



Danger

Harmful if swallowed. May cause an allergic skin reaction. Causes serious eye damage
 Suspected of causing genetic defects. 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. Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection. IF exposed or concerned: Get medical attention/advice. IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention

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 SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. 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
Hydroquinone	123-31-9		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: Use Water Spray, Fog, Dry Chemical, Alcohol Foam

Special Fire and Explosion Remarks: N/A

Section 6. Accidental Release Measures

Spill Cleanup and Disposal Special: Pick 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: Refrigerate

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

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. Toxicological Information

Routes of Entry: Inhalation, Skin Absorption, Ingestion

Animal Toxicity: Acute Oral (LD50) 320 mg/kg (Rat) Acute Oral (LDLO) 29 mg/kg (Human) I.P. (LD50) 170 mg/kg (Rat) Subcutaneous (LDLO) 300 mg/kg (Rat) I.V. (LD50) 115 mg/kg (Rat) Acute Oral (LD50) 245 mg/kg (Rat) Acuter Oral (LD50) 70 mg/kg (Cat) Acute Oral (LDLO) 550 mg/kg (Rabbit)

Human Toxic Effects: Target Organs: Central nervous system, eyes, skin.

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

Potential Chronic Health Effects: Hydroquinone: 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: Hydroquinone

Sara Section 311 Reporting

Component	CAS#	Acute	Chronic	Fire	Pressure	Reactive	SARA302	SARA313	CERCLA	RCRA
Hydroquinone	123-31-9	No	No	No	No	No	No	Yes	Yes	No

Section 16. Other Information

Review Date: 12/17/2015

Reviewed by: ddi

MSDS Group Id: 135

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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