

Section 1. Product and Company Identification

Item Number.: s114-1
 Common Name.: Ammoniacal Silver Nitrate Solution- Gomoris
 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

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) 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
Silver Nitrate	7761-88-8		0.01		0-5%
Ammonium Hydroxide	1336-21-6	35.00	50.00		0-5%
Potassium Hydroxide	1310-58-3			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 Powder, Alcohol Foam, Water Spray or Carbon Dioxide

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...: 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 ...: Splash Goggles, Gloves, Synthetic Apron, 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: 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.: Silver Nitrate: Acute Oral (LD50) 50 mg/kg (Mouse) Intraperitoneal(LD50) 34500 ug/kg (Mouse); Ammonium Hydroxide Acute Oral (LD50) 350 mg/kg (Mouse) I.V. (LDL0) 10 mg/kg (Rabbit); Potassium Hydroxide: Acute Oral (LD50) 273 mg/kg (Mouse)

Human Toxic Effects.: Target Organs: Blood, eyes, skin, mucous membranes

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

Potential Chronic Health Effects...: Mutagenic. Repeated exposure can produce target organ 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.: Non Hazardous

Section 15. Regulatory Information

State Regulations.: New York release reporting list: Silver Nitrate, Ammonium Hydroxide, Potassium Hydroxide

Component	CAS#	Sara Section 311 Reporting									
		Acute	Chronic	Fire	Pressure	Reactive	SARA302	SARA313	CERCLA	RCRA	
Silver Nitrate	7761-88-8	No	No	No	No	No	Yes	Yes	No		
Ammonium Hydroxide	1336-21-6	No	No	No	No	No	No	Yes	No		
Potassium Hydroxide	1310-58-3	No	No	No	No	No	No	Yes	No		

Section 16. Other Information

Review Date : 3/14/2023

Reviewed by : Admin

MSDS Group Id.: 11

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.: s179-1
 Common Name.: Ferric Ammonium Sulfate 2% 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

315 Skin corrosion/irritation Cat 2
 319 Serious eye damage/eye irritation Cat 2A

**Warning**

Causes skin irritation and serious eye irritation.

Wash hands/skin thoroughly after handling. Wear protective gloves/ eye protection/ face protection/protective clothing. IF ON SKIN: Wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If skin irritation occurs: Get medical advice/ attention. If eye irritation persists: Get medical advice/ attention. Take off contaminated clothing and wash before reuse.

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
Ferric Ammonium Sulfate	7783-83-7				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 any means suitable for extinguishing surrounding fire

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.....: Reddish 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.: No LD50 or LDLo information

Human Toxic Effects.: Target Organs: None

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: Ferric Ammonium Sulfate

Component	CAS#	Sara Section 311 Reporting								SARA302	SARA313	CERCLA	RCRA
		Acute	Chronic	Fire	Pressure	Reactive							
Ferric Ammonium Sulfate	7783-83-7	No	No	No	No	No	No	No	No	No	No	No	

Section 16. Other Information

Review Date : 3/14/2023

Reviewed by : Admin

MSDS Group Id.: 52

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.: s202-1
 Common Name.: Gold Chloride 0.2% 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**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
Gold Chloride	16961-25-4				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, Alcoholic Foam, Carbon Dioxide,

Special Fire and Explosion Remarks.: N/A

Section 6. Accidental Release Measures

Spill Cleanup and Disposal Special.: Pick up with absorbent material.

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

Section 7. Handling and Storage

Storage and Handling Special.: 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 gold 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	Viscosity.....: N/A
Flash Point (F) TCC.....: N/A	Relative Density.....: N/A	

Section 10. Stability and reactivity

Special Remarks on Stability.: Stable

Special Remarks on Reactivity.: N/A

Water Reactive.: No

Section 11. Toxicological Information

Routes of Entry.: Inhalation, Ingestion, Skin Absorption

Animal Toxicity.: Intravenous (LDLo) 75 mg/kg (Mouse); Subcutaneous (TDLo) 75 22106 ug/kg (Mouse); Intratesticular TDLo) 5527 ug/kg (Rat)

Human Toxic Effects.: Target Organs: None

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
Gold Chloride	16961-25-4	No	No	No	No	No	No	No	No	No

Section 16. Other Information

Review Date : 3/14/2023

Reviewed by : Admin

MSDS Group Id.: 65

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.: s263-1
 Common Name.: Potassium Permanganate 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**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 purple 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
		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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Section 1. Product and Company Identification

Item Number.: s280-1
 Common Name.: Sodium Thiosulfate 2% 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**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
Sodium Thiosulfate	10102-17-7				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, Alcoholic Foam

Special Fire and Explosion Remarks.: N/A

Section 6. Accidental Release Measures

Spill Cleanup and Disposal Special.: Sweep up and shovel into suitable containers for disposal. Clean contaminated surface thoroughly.

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, chemical resistant apron, gloves, 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.....: Odorless	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, Ingestion

Animal Toxicity.: N/A

Human Toxic Effects.: Target Organs: Skin, Eyes, Respiratory System

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
Sodium Thiosulfate	10102-17-7	No	No	No	No	No	No	No	No	No

Section 16. Other Information

Review Date : 3/14/2023

Reviewed by : Admin

MSDS Group Id.: 112

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.: s1807-1
 Common Name.: Formalin 20% 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

227 Flammable Liquids Cat 4
 302 Acute toxicity, oral Cat 4
 315 Skin corrosion/irritation Cat 2
 317 Sensitiser, Skin Cat 1
 318 Serious eye damage/eye irritation Cat 1
 370 Specific target organ toxicity, single exposure Cat 1



Danger

Combustible liquid. Harmful if swallowed.

Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage.

Causes damage to organs.

Do not handle until all safety 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 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. IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell. Rinse mouth. IF ON SKIN: Wash with plenty of soap and water. Wash clothes before re-use. If skin irritation or rash occurs: Get medical advice/ attention. 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. In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish. Store locked up in a well-ventilated place. 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) 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
Methanol	67-56-1	325.00	260.00		0-5%
Formaldehyde	50-00-0	0.37	2.00		5-10%

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, Foam, Carbon Dioxide

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 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.....: 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.: 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: Oropharynx, Nasal Passages

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

Potential Chronic Health Effects ...: Mutagenic. 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 .: NMFC 43940-02(Liquid,Chemicals,IVD)Class85

Section 15. Regulatory Information

State Regulations.: New York Release reporting list: Formaldehyde, Methanol

Sara Section 311 Reporting

Component	CAS#	Acute	Chronic	Fire	Pressure	Reactive	SARA302	SARA313	CERCLA	RCRA
Methanol	67-56-1	No	No	No	No	No	Yes	Yes	No	
Formaldehyde	50-00-0	No	No	No	No	Yes	Yes	Yes	No	

Section 16. Other Information

Review Date : 3/14/2023

Reviewed by : Admin

MSDS Group Id.: 54

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.: s2005-1
 Common Name.: Potassium Metabisulfite 2% 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

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) 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
Potassium Metabisulfite	16731-55-8				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 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, Dust 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.....: N/A
Odor Threshold.....: N/A	Lower Flammability Limit (%): N/A	Partition Coefficient.....: n-octanol/water: N/A
pH.....: N/A	Specific Gravity (@20C).....: N/A	Auto Ignition Temp.....: N/A
Melting Point.....: N/A	Vapor Pressure (mm Hg).....: N/A	Decomposition Temp.....: N/A
Boiling Point.....: N/A	Vapor Density (Air=1).....: N/A	Viscosity.....: N/A
Flash Point (F) TCC.....: N/A	Relative Density.....: N/A	

Section 10. Stability and reactivity

Special Remarks on Stability.: Stable

Special Remarks on Reactivity.: N/A

Water Reactive.: No

Section 11. Toxicological Information

Routes of Entry.: Inhalation, Skin Absorption, Ingestion

Animal Toxicity.: N/A

Human Toxic Effects.: Target Organs: Respiratory System, Eyes.

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

Potential Chronic Health Effects.: Repeated or prolonged exposure may cause allergic reactions in sensitive individuals

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
Potassium Metabisulfite	16731-55-8	No	No	No	No	No	No	No	No	No

Section 16. Other Information

Review Date : 3/14/2023

Reviewed by : Admin

MSDS Group Id.: 166

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