SAFETY DATA SHEET

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
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 youfeel 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 ordoctor/ 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/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 neccessary 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

Appearence .....: clear colorless
Odor .....: N/A
Odor Threshhold.....: N/A
pH.....: N/A
Melting Point.....: N/A
Boiling Point .....: N/A
Flash Point (F) TCC .....: N/A

Evaporation Rate .....: N/A
Upper Flammability Limit (%).: N/A
Lower Flammability Limit (%).: N/A
Specific Gravity (@20C).....: N/A
Vapor Pressure (mm Hg) .....: N/A
Vapor Density (Air=1) .....: N/A
Relative Density.....: N/A

Water Soluable? .....: Yes
Volatile Percent .....: N/A
Partition Coefficient.....: n-octanol/water: N/A
Auto Ignition Temp. .....: N/A
Decomposition Temp.....: N/A
Viscosity .....: N/A

Section 10. Stability and reactivity

Special Remarks on Stability: Stable

Special Remarks on Reactivity: N/A

Water Reactive: No

Section 11. Toxological Information

Routes of Entry: Inhalation, Skin Absorption, Ingestion

Animal Toxicity: 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

Sara Section 311 Reporting

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

Section 16. Other Information

Review Date: 12/1/2015
Reviewed by: ddi
MSDS Group Id: 11

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 resposcibility to develope 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 resposcibility for the completeness or accuracy of the information contained herein.

SAFETY DATA SHEET

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
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					0-5%
Components					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 neccessary 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

Appearence .....: clear purple
Odor .....: N/A
Odor Threshhold.....: N/A
pH.....: N/A
Melting Point.....: N/A
Boiling Point .....: N/A
Flash Point (F) TCC .....: NA

Evaporation Rate .....: N/A
Upper Flammability Limit (%).: NA
Lower Flammability Limit (%).: NA
Specific Gravity (@20C).....: N/A
Vapor Pressure (mm Hg) .....: N/A
Vapor Density (Air=1) .....: N/A
Relative Density.....: N/A

Water Soluable? .....: Yes
Volatile Percent .....: N/A
Partition Coefficient.....: n-octanol/water: N/A
Auto Ignition Temp. .....: N/A
Decomposition Temp.....: N/A
Viscosity .....: N/A

Section 10. Stability and reactivity

Special Remarks on Stability: N/A

Special Remarks on Reactivity: N/A

Water Reactive: No

Section 11. Toxological 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		No	No	No	No	No	No	No	No	No
Components		No	No	No	No	No	No	No	No	No

Section 16. Other Information

Review Date: 12/4/2015
Reviewed by: ddi
MSDS Group Id: 2

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

Section 1. Product and Company Identification

Item Number: s2005-1
Common Name: Potassium Meta-Bisulfite 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
631-586-0400
polyrnd@polyrnd.com
www.polyrnd.com

Section 2. Hazard Identification

318 Serious eye damage/eye irritation Cat 1

Danger
Causes serious eye damage
Wear protective gloves/protective clothing/eye protection/face protection.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
Immediately call a POISON CENTER or doctor/physician

Hazards not otherwise covered by GHS: None

Section 3. Composition Information

Exposure Limits(A blank value indicates no information available)

Component	CAS#	PEL(mg/m3)	STEL(mg/m3)	CEIL(mg/m3)	Concentration Range
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 neccessary 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

Appearence .....: clear, colorless
Odor .....: N/A
Odor Threshhold.....: N/A
pH.....: N/A
Melting Point.....: N/A
Boiling Point .....: N/A
Flash Point (F) TCC .....: N/A

Evaporation Rate .....: N/A
Upper Flammability Limit (%).: N/A
Lower Flammability Limit (%).: N/A
Specific Gravity (@20C).....: N/A
Vapor Pressure (mm Hg) .....: N/A
Vapor Density (Air=1) .....: N/A
Relative Density.....: N/A

Water Soluable? .....: Yes
Volatile Percent .....: N/A
Partition Coefficient.....: n-octanol/water: N/A
Auto Ignition Temp. .....: N/A
Decomposition Temp.....: N/A
Viscosity .....: N/A

Section 10. Stability and reactivity

Special Remarks on Stability: Stable

Special Remarks on Reactivity: N/A

Water Reactive: No

Section 11. Toxological Information

Routes of Entry: Inhalation, Skin Absorption, Ingestion

Animal Toxicity: 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: 12/1/2015
Reviewed by: ddi
MSDS Group Id: 166

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 responcibility to develope 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 responcibility for the completeness or accuracy of the information contained herein.

SAFETY DATA SHEET

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
631-586-0400
polyrnd@polyrnd.com
www.polyrnd.com

Section 2. Hazard Identification

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

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)

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 neccessary 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

Appearence .....: clear reddish
Odor .....: N/A
Odor Threshhold.....: N/A
pH.....: N/A
Melting Point.....: N/A
Boiling Point .....: N/A
Flash Point (F) TCC .....: N/A

Evaporation Rate .....: N/A
Upper Flammability Limit (%).: N/A
Lower Flammability Limit (%).: N/A
Specific Gravity (@20C).....: N/A
Vapor Pressure (mm Hg) .....: N/A
Vapor Density (Air=1) .....: N/A
Relative Density.....: N/A

Water Soluable? .....: Yes
Volatile Percent .....: N/A
Partition Coefficient.....: n-octanol/water: N/A
Auto Ignition Temp. .....: N/A
Decomposition Temp.....: N/A
Viscosity .....: N/A

Section 10. Stability and reactivity

Special Remarks on Stability: Stable

Special Remarks on Reactivity: N/A

Water Reactive: No

Section 11. Toxological Information

Routes of Entry: Inhalation, Skin Absorption, Ingestion

Animal Toxicity: No 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

Sara Section 311 Reporting

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

Section 16. Other Information

Review Date: 12/1/2015
Reviewed by: ddi
MSDS Group Id: 52

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 responcibility to develope 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 responcibility for the completeness or accuracy of the information contained herein.

SAFETY DATA SHEET

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
631-586-0400
polyrnd@polyrnd.com
www.polyrnd.com

Section 2. Hazard Identification

227 Flammable Liquids Cat 4
302 Acute toxicity, oral Cat 4
315 Skin corrosion/irritation Cat 2
317 Sensitisian, Skin Cat 1
318 Serious eye damage/eye irritation Cat 1
341 Germ cell mutagencity Cat 2
350 Carcinogenicity Cat 1A, 1B
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.
Suspected of causing genetic defects.
May cause cancer.
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. f skin irritation or rash occurs: Get medical advice/ attention. IF IN EYES: Rinse cautiously with water for several minutes. Removecontact 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)

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 neccessary 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

Appearence .....: clear colorless
Odor .....: Pungent, suffocating
Odor Threshhold.....: N/A
pH.....: N/A
Melting Point.....: N/A
Boiling Point .....: N/A
Flash Point (F) TCC .....: N/A

Evaporation Rate .....: N/A
Upper Flammability Limit (%).: N/A
Lower Flammability Limit (%).: N/A
Specific Gravity (@20C).....: 1.047
Vapor Pressure (mm Hg) .....: 152
Vapor Density (Air=1) .....: 0.83
Relative Density.....: N/A

Water Soluable? .....: Yes
Volatile Percent .....: 100
Partition Coefficient.....: n-octanol/water: N/A
Auto Ignition Temp. .....: N/A
Decomposition Temp.....: N/A
Viscosity .....: N/A

Section 10. Stability and reactivity

Special Remarks on Stability: Stable

Special Remarks on Reactivity: N/A

Water Reactive: No

Section 11. Toxological Information

Routes of Entry: Inhalation, Skin absorbtion, 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: Non Hazardous

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	No	Yes	Yes	No
Formaldehyde	50-00-0	No	No	No	No	No	Yes	Yes	Yes	No

Section 16. Other Information

Review Date: 12/1/2015
Reviewed by: ddi
MSDS Group Id: 54

SAFETY DATA SHEET

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
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
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 neccessary 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 conaminated 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

Appearence .....: clear, colorless
Odor .....: Odorless
Odor Threshhold.....: N/A
pH.....: N/A
Melting Point.....: N/A
Boiling Point .....: N/A
Flash Point (F) TCC .....: N/A

Evaporation Rate .....: N/A
Upper Flammability Limit (%).: N/A
Lower Flammability Limit (%).: N/A
Specific Gravity (@20C).....: N/A
Vapor Pressure (mm Hg) .....: N/A
Vapor Density (Air=1) .....: N/A
Relative Density.....: N/A

Water Soluable? .....: Yes
Volatile Percent .....: N/A
Partition Coefficient.....: n-octanol/water: N/A
Auto Ignition Temp. .....: N/A
Decomposition Temp.....: N/A
Viscosity .....: N/A

Section 10. Stability and reactivity

Special Remarks on Stability: Stable

Special Remarks on Reactivity: N/A

Water Reactive: No

Section 11. Toxological Information

Routes of Entry: Inhalation, 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: 12/2/2015
Reviewed by: ddi
MSDS Group Id: 112

SAFETY DATA SHEET

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
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
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 neccessary 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

Appearence .....:
Odor .....: N/A
Odor Threshhold.....: N/A
pH.....: N/A
Melting Point.....: N/A
Boiling Point .....: N/A
Flash Point (F) TCC .....: N/A

Evaporation Rate .....: N/A
Upper Flammability Limit (%).: N/A
Lower Flammability Limit (%).: N/A
Specific Gravity (@20C).....: N/A
Vapor Pressure (mm Hg) .....: N/A
Vapor Density (Air=1) .....: N
Relative Density.....: N/A

Water Soluable? .....: Yes
Volatile Percent .....: N/A
Partition Coefficient.....: n-octanol/water: N/A
Auto Ignition Temp. .....: N/A
Decomposition Temp.....: N/A
Viscosity .....: N/A

Section 10. Stability and reactivity

Special Remarks on Stability: Stable

Special Remarks on Reactivity: N/A

Water Reactive: No

Section 11. Toxological Information

Routes of Entry: Inhalation, 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: 12/1/2015
Reviewed by: ddi
MSDS Group Id: 65

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 responcibility to develope 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 responcibility for the completeness or accuracy of the information contained herein.