

Section 1. Product and Company Identification

Item Number.: s2509-1
 Common Name.: Formal Acetone Solution
 Intended Use : In Vitro Diagnostic use. Laboratory Use Only
 IN CASE OF EMERGENCY, CONTACT: CHEMTREC (24HR) 800-424-9300

Manufacturer.: Poly Scientific R&D Corp.

70 Cleveland Ave
 Bay Shore NY 11706

polyrnd@polyrnd.com

Section 2. Hazard Identification

225 Flammable Liquids Cat 2
 301 Acute toxicity, oral Cat 3
 311 Acute toxicity,dermal Cat 3
 314 Skin corrosion/irritation Cat 1A, B, C
 331 Acute toxicity,inhalation Cat 3
 336 Specific target organ toxicity, single exposure; Narcotic effects Cat 3
 341 Germ cell mutagenicity Cat 2
 350 Carcinogenicity Cat 1A, 1B
 370 Specific target organ toxicity, single exposure Cat 1

**Danger**

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

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use only in well-ventilated area. Keep away from heat/sparks/open flames/hot surfaces.-No smoking. Do not breathe dust/fume/gas/mist/vapours/spray. Wash hands/skin thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection. Keep container tightly closed, locked up in well ventilated-area and cool. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge. In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. Do not induce vomiting. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Wash skin with swater/shower. Wash contaminated clothing before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician. Dispose of contents/container to an approved waste disposal plant.

Hazards not otherwise covered by GHS: None

Section 3. Composition Information

Exposure Limits(A blank value indicates no information available) 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
Acetone	67-64-1	1,000.00	500.00		0-5%
Methanol	67-56-1	325.00	260.00		0-5%
Formadehyde	50-00-0	0.37	2.00		0-5%

Section 4. First Aid Measures

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

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

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

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

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

Section 5. Fire Fighting Measures

Extinguishing Media.: Dry Chemical, Water Spray, Fog, Carbon Dioxide, Foam

Special Fire and Explosion Remarks.: N/A

Section 6. Accidental Release Measures

Spill Cleanup and Disposal Special.: Warning! Flammable. Eliminate all ignition sources. Dipserse vapors with water spray. 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...: 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.....: 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): 1.053	Auto Ignition Temp.: N/A
Melting Point.....: N/A	Vapor Pressure (mm Hg): 155	Decomposition Temp.....: N/A
Boiling Point.....: N/A	Vapor Density (Air=1): 0.84	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.: Formaldehyde: Acute Oral (LD50) 800 mg/kg (Rat) Acute Dermal (LD50) 0.27 gm/kg (rabbit); Methanol: Acute Oral (LD50) 6.2-13.0 gm/kg (Rat); Acetone: Acute Oral (LD50) 9.75 gm/kg (Rat) Acute Dermal (LD50) 20 gm/kg (Rabbit)

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

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

Potential Chronic Health Effects.: Formaldehyde: OSHA Carcinogen; IARC Code 3; NTP Code 2

Section 12. Ecological Information

Ecological Information.: N/A

Section 13. Disposal Considerations

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

Section 14. Transport Information

DOT Identification.: UN1090, Acetone,3,II

Section 15. Regulatory Information

State Regulations.: New York release reporting list: Formaldehyde, Methanol, Acetone

Component	CAS#	Sara Section 311 Reporting								SARA302	SARA313	CERCLA	RCRA
		Acute	Chronic	Fire	Pressure	Reactive							
Acetone	67-64-1	No	No	No	No	No	No	No	No	No	Yes	No	
Methanol	67-56-1	No	No	No	No	No	No	No	Yes	Yes	Yes	No	
Formadehyde	50-00-0	No	No	No	No	No	No	Yes	Yes	Yes	Yes	No	

Section 16. Other Information

Review Date : 3/14/2023

Reviewed by : Admin

MSDS Group Id.: 258

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Section 1. Product and Company Identification

Item Number.: s2510-1
 Common Name.: Sodium Nitrite 4% Solution
 Intended Use : In Vitro Diagnostic use. Laboratory Use Only
 IN CASE OF EMERGENCY, CONTACT: CHEMTREC (24HR) 800-424-9300

Manufacturer.: Poly Scientific R&D Corp.

70 Cleveland Ave
 Bay Shore NY 11706

polyrnd@polyrnd.com

Section 2. Hazard Identification

272 Oxidising liquids; Oxidising solids Cat 2
 301 Acute toxicity, oral Cat 3
 350 Carcinogenicity Cat 1A, 1B



Danger

May intensify fire; oxidiser.

Toxic if swallowed.

Causes serious eye irritation.

May cause cancer.

Obtain special instructions before use. Do not handle until all precautions have been and understood. 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.

Wash hands/skin thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/ eye protection/ face protection.

IF SWALLOWED: Immediately call a POISON CENTER or doctor/

physician. Rinse mouth. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF exposed or concerned: Get medical advice/ attention. If eye irritation persists: Get medical advice/ attention. 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
Sodium Nitrite	7632-00-0				0-5%

Section 4. First Aid Measures

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

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

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

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

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

Section 5. Fire Fighting Measures

Extinguishing Media.: Water Spray

Special Fire and Explosion Remarks ..: N/A

Section 6. Accidental Release Measures

Spill Cleanup and Disposal Special ..: Oxidizer!!!Eliminate ignition sources. use grounded equipment. Cover with sand and containerize for proper disposal.

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, 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): 2.168	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) 180 mg/kg; Inhalation (LC50) 5500 ug/m3/4H (Rat); I.V. (LD50) 65 mg/kg (Rat)

Human Toxic Effects.: Target Organs: Blood, Cardiovascular System

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

Potential Chronic Health Effects...: Tetragenic. Mutagenic

Section 12. Ecological Information

Ecological Information.: N/A

Section 13. Disposal Considerations

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

Section 14. Transport Information

DOT Identification.: Non Hazardous

Section 15. Regulatory Information

State Regulations.: New York release reporting list: Sodium Nitrite

Sara Section 311 Reporting

Component	CAS#	Acute	Chronic	Fire	Pressure	Reactive	SARA302	SARA313	CERCLA	RCRA
Sodium Nitrite	7632-00-0	No	No	No	No	No	Yes	Yes	No	

Section 16. Other Information

Review Date : 3/14/2023

Reviewed by : Admin

MSDS Group Id.: 259

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Section 1. Product and Company Identification

Item Number.: s2511-1
 Common Name.: New Fuchsin Acid Solution
 Intended Use : In Vitro Diagnostic use. Laboratory Use Only
 IN CASE OF EMERGENCY, CONTACT: CHEMTREC (24HR) 800-424-9300

Manufacturer.: Poly Scientific R&D Corp.

70 Cleveland Ave
 Bay Shore NY 11706

polyrnd@polyrnd.com

Section 2. Hazard Identification

290 Corrosive to Metals Cat 1
 314 Skin corrosion/irritation Cat 1A, B, C
 335 Specific target organ toxicity, single exposure; Respiratory tract irritation Cat 3
 350 Carcinogenicity Cat 1A, 1B



Danger

May be corrosive to metals. Causes severe skin burns and eye damage. May cause respiratory irritation. May cause cancer.

Keep only in original container. Absorb spillage to prevent material damage. Obtain special instructions before use. Do not handle until all precautions have been and understood. Do not breathe dust/fume/gas/mist/vapours/spray. Use only in well-ventilated area. In case of inadequate ventilation wear respiratory ventilation. Wash hands/skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Keep container locked up and in a well ventilated-area. IF SWALLOWED: Rinse mouth. Do not induce vomiting. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. If exposed: Call a POISON CENTER or doctor/physician. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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
Hydrochloric Acid	7647-01-0	5.00		5.00	0-5%
New Fuchsin	3248-91-7				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 or Alcohol Foam
 Special Fire and Explosion Remarks ..: N/A

Section 6. Accidental Release Measures

Spill Cleanup and Disposal Special ..: Danger! Poison! Neutralize with soda ash or lime. 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, 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.....: Clear red liquid	Evaporation Rate.....: N/A	Water Soluable?: Yes
Odor.....: Pungent	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): 1.18	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): 1.3	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.: Hydrochloric Acid: Acuter Oral (LD50) 900 mg/kg (Rabbit) I.P. (LD50) 40 mg/kg (Mouse); New Fuchsin: The toxicological properties have not been established.

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

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

Potential Chronic Health Effects...: Hydrochloric Acid: 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.: UN1789, Hydrochloric Acid, 8, II

Section 15. Regulatory Information

State Regulations.: New York release reporting list: Hydrochloric Acid

Sara Section 311 Reporting

Component	CAS#	Acute	Chronic	Fire	Pressure	Reactive	SARA302	SARA313	CERCLA	RCRA
Hydrochloric Acid	7647-01-0	No	No	No	No	Yes	Yes	Yes	No	
New Fuchsin	3248-91-7	No	No	No	No	No	No	No	No	

Section 16. Other Information

Review Date : 3/14/2023

Reviewed by : Admin

MSDS Group Id.: 260

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Section 1. Product and Company Identification

Item Number.: s2512-1
 Common Name.: Naphthol ASD-Chloroacetate
 Intended Use : In Vitro Diagnostic use. Laboratory Use Only
 IN CASE OF EMERGENCY, CONTACT: CHEMTREC (24HR) 800-424-9300

Manufacturer.: Poly Scientific R&D Corp.

70 Cleveland Ave
 Bay Shore NY 11706

polyrnd@polyrnd.com

Section 2. Hazard Identification

226 Flammable Liquids Cat 3
 312 Acute toxicity,dermal Cat 4
 319 Serious eye damage/eye irritation Cat 2A
 332 Acute toxicity,inhalation Cat 4
 360 Reproductive toxicity Cat 1A, 1B



Danger

Flammable liquid and vapour.

Harmful in contact with skin. Causes serious eye irritation. Harmful if inhaled.

May damage fertility or the unborn child.

Do not handle until all safety precautions have been read and

understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use explosion-proof electrical/ ventilating/ lighting/ equipment.

Use only non-sparking tools. Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. Wash hands/skin thoroughly after handling. Use in well ventilated area. Wear protective gloves/protective clothing/eye protection/ face protection. 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 present and easy to do. Continue rinsing. IF exposed or concerned: Get medical advice/ attention. Wash contaminated clothing before reuse.

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

extinction. Store closed and 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
N,N-Dimethylformamide	68-12-2		30.00		>50%

Section 4. First Aid Measures

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

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

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

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

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

Section 5. Fire Fighting Measures

Extinguishing Media.: Dry Chemical, Water Spray, Sand or Foam

Special Fire and Explosion Remarks : N/A

Section 6. Accidental Release Measures

Spill Cleanup and Disposal Special : Warning! Flammable! cancer suspect agent. Eliminate all ignition sources. 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, 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.....: Yellow to colorless liquid	Evaporation Rate.....: N/A	Water Soluable?: Yes
Odor.....: Amine like	Upper Flammability Limit (%): N/A	Volatile Percent: 100
Odor Threshold: N/A	Lower Flammability Limit (%): N/A	Partition Coefficient.....: n-octanol/water: N/A
pH: N/A	Specific Gravity (@20C): 0.945	Auto Ignition Temp.: N/A
Melting Point.....: N/A	Vapor Pressure (mm Hg): 3.7	Decomposition Temp.....: N/A
Boiling Point.....: N/A	Vapor Density (Air=1): 2.5	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) 3700 mg/kg (Mouse); Acute Dermal (LD50) 4720 mk/kg (Rabbit); Inhalation (LC50) 9400 mg/m3/2H (Mouse)

Human Toxic Effects .: Target Organs: Kidneys, Liver

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

Potential Chronic Health Effects ...: Tetragenic. Mutagenic

Section 12. Ecological Information

Ecological Information .: N/A

Section 13. Disposal Considerations

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

Section 14. Transport Information

DOT Identification .: Non Hazardous

Section 15. Regulatory Information

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

Sara Section 311 Reporting

Component	CAS#	Acute	Chronic	Fire	Pressure	Reactive	SARA302	SARA313	CERCLA	RCRA
N,N-Dimethylformamide	68-12-2	No	No	No	No	No	Yes	Yes	No	

Section 16. Other Information

Review Date : 3/14/2023

Reviewed by : Admin

MSDS Group Id.: 261

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Section 1. Product and Company Identification

Item Number.: s2513-1
 Common Name.: Potassium Phosphate Monobasic 0.9%
 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.....: Colorless liquid	Evaporation Rate.....: N/A	Water Soluable?.....: Yes
Odor.....: N/A	Upper Flammability Limit (%): NA	Volatile Percent.....: N/A
Odor Threshold.....: N/A	Lower Flammability Limit (%): NA	Partition Coefficient.....: n-octanol/water: N/A
pH.....: N/A	Specific Gravity (@20C).....: N/A	Auto Ignition Temp.....: N/A
Melting Point.....: N/A	Vapor Pressure (mm Hg).....: N/A	Decomposition Temp.....: N/A
Boiling Point.....: N/A	Vapor Density (Air=1).....: N/A	Viscosity.....: N/A
Flash Point (F) TCC.....: NA	Relative Density.....: N/A	

Section 10. Stability and reactivity

Special Remarks on Stability...: N/A

Special Remarks on Reactivity...: N/A

Water Reactive.: No

Section 11. Toxicological Information

Routes of Entry.: N/A

Animal Toxicity.: N/A

Human Toxic Effects.: N/A

Potential Acute Health Effects...: N/A

Potential Chronic Health Effects...: N/A

Section 12. Ecological Information

Ecological Information.: N/A

Section 13. Disposal Considerations

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

Section 14. Transport Information

DOT Identification.: Non Hazardous

Section 15. Regulatory Information

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

Sara Section 311 Reporting

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

Section 16. Other Information

Review Date : 3/14/2023

Reviewed by : Admin

MSDS Group Id.: 2

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Section 1. Product and Company Identification

Item Number.: s2514-1
 Common Name.: Sodium Phosphate Dibasic 0.44% 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
Cacodylic Acid	124-65-2				0-5%
Gluteraldehyde	111-30-8		0.25		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.: Use extinguishing media for 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 ...: 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.....: Sharp	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).....: 1.131	Auto Ignition Temp.....: N/A
Melting Point.....: N/A	Vapor Pressure (mm Hg).....: 15	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.: Gluteraldehyde: Acute Oral (LD50) 134 mg/kg (Rat) Acute Dermal (L50) 2560 mg/kg (Rabbit); Cacodylic Acid: Acute Oral (LD50) 2600 mg/kg (Rat) Acute Oral (LD50) 4 mg/kg (Mouse); Sucrose: Acute Oral (LD50) 29700 mg/kg (Rat) Intraperitoneal (LD50) 14000 mg/kg (Mouse)

Human Toxic Effects.: Target Organs: Eyes, Skin, Respiratory System, Liver, Kidneys, Lungs, Lymphatic System

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

Potential Chronic Health Effects...: Liver and Lymphatic cancer.

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: Cacodylic Acid

Sara Section 311 Reporting

Component	CAS#	Acute	Chronic	Fire	Pressure	Reactive	SARA302	SARA313	CERCLA	RCRA
Cacodylic Acid	124-65-2	No	No	No	No	Yes	Yes	No	No	
Gluteraldehyde	111-30-8	No	No	No	No	No	No	No	No	

Section 16. Other Information

Review Date : 3/14/2023

Reviewed by : Admin

MSDS Group Id.: 127

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