SAFETY DATA SHEET

Section 1. Product and Company Identification

Item Number.: s104-1
Common Name.: Acid Alcohol 1%
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
290 Corrosive to Metals Cat 1
302 Acute toxicity, oral Cat 4
315 Skin corrosion/irritation Cat 2
318 Serious eye damage/eye irritation Cat 1
370 Specific target organ toxicity, single exposure Cat 1

Danger
Highly flammable and liquid vapour. May be corrosive to metals. Harmful if swallowed. Causes skin irritiation. Causes serious eye damage. Causes damage to organs.
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 a dry, well ventilated-area, cool and in original container. Absorb spillage to prevent matrial damage. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge. In case of fire: Use dry sand, dry chemical or alcohol- resistant foam to extinguish. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. Do not induce vomiting. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. If 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. 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
Isopropyl Alcohol	67-63-0	1,225.00	980.00		0-5%
Ethyl Alcohol	64-17-5		1,900.00		>50%
Hydrochloric Acid	7647-01-0	5.00		5.00	0-5%
Methyl Alcohol	67-56-1	325.00	260.00		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, Carbon Dioxide
Special Fire and Explosion Remarks..: N/A

Section 6. Accidental Release Measures

Spill Cleanup and Disposal Special..: Warning! Corrosive. Warning! Flammable! Eliminate ignitions. Take up spills 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..: Gloves, Splash Googles, Vapor Respirator, 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.....: Colorless liquid
Odor.....: Strong
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).....: .791
Vapor Pressure (mm Hg).....: 52
Vapor Density (Air=1).....: 1.6
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.: Ethyl Ether: Acute Oral (LD50): 9750 mg/kg (Rat); Acute Dermal (LD50): 360 mg/kg (Rabbit); Acetone: : Acute Oral (LD50): 9.75 mg/kg (Rat); Acute Dermal(LD50): 20 mg/kg (Rabbit); Hydrochloric Acid: Acute Oral (LD50) 900 mg/kg (Rat) Intrapperitoneal (LD50) 1449 mg/kg (Mouse)

Human Toxic Effects .: Target Organs: Respiratory system, skin, eyes, CNS, liver, blood and reproductive system

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

Potential Chronic Health Effects..: Isopropyl Alcohol: IARC Code 3; 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 .: UN1170, Ethanol Solutions,3,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
Isopropyl Alcohol	67-63-0	No	No	No	No	No	No	Yes	No	No
Ethyl Alcohol	64-17-5	No	No	No	No	No	No	Yes	Yes	No
Hydrochloric Acid	7647-01-0	No	No	No	No	No	Yes	Yes	Yes	No
Methyl Alcohol	67-56-1	No	No	No	No	No	No	Yes	Yes	No

Section 16. Other Information

Review Date : 3/14/2023
Reviewed by : Admin
MSDS Group Id.: 5

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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SAFETY DATA SHEET

Section 1. Product and Company Identification

Item Number : s162-1
Common Name : Carbol Fuchsin Ziehl Neelsen
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
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
341 Germ cell mutagencity Cat 2
350 Carcinogenicity Cat 1A, 1B
370 Specific target organ toxicity, single exposure Cat 1

Danger
Combustible Liquid. Toxic if swallowed, inhaled and in contact with skin. Causes severe skin burns and eye damage. 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 precautions have been and understood. Keep away from heat/sparks/open flames/hot surfaces.-No smoking. Avoid breathing dust/fume/gas/mist/vapours/spray. Use only in a well-ventilated area. 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, 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: Immediately call a POISON CENTER or doctor/physician. Rinse mouth. Do not induce vomiting. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Wash skin with soap/water/shower. Call a POISON CENTER or doctor/physician if you feel unwell. 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. Immediatley 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

Component	CAS#	PEL(mg/m3)	STEL(mg/m3)	CEIL(mg/m3)	Concentration Range
Ethyl Alcohol	64-17-5		1,900.00		5-10%
Isopropyl Alcohol	67-63-0	1,225.00	980.00		0-5%
Phenol	108-5-2		5.00		5-10%
Basic Fuchsin	569-61-9				0-5%
Methyl Alcohol	67-56-1	325.00	260.00		0-5%

Section 4. First Aid Measures

Eye Contact : Check for and remove contact lenses. Wash with large amounts of water for
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. Se
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 a

Section 5. Fire Fighting Measures

Extinguishing Media.: Use Dry Chemical, Foam or Carbon Dioxide
Special Fire and Explosion Remarks .: N/A

Section 6. Accidental Release Measures

Spill Cleanup and Disposal Special .: Eliminate all ignition sources and 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 Goggles, Gloves,vapor Respirator
This information is provided as a guide but proper PPE can only be determined by the end user and their situation.
Engineering Controls.: Provide local exhaust ventilation to keep the airborne concentrations of vapors below their respective threshold limit values. Ensure that eyewash

Section 9. Physical and Chemical Properties

Appearence.....: Fuschia liquid
Odor .....: N/A
Odor Threshhold .....: N/A
pH.....: 0.791
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).....: 52
Vapor Pressure (mm Hg) .....: 100
Vapor Density (Air=1).....: N/A
Relative Density.....: N/A

Water Soluable? .....: Yes
Volatile Percent.....: 1.6
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 : Ethyl Alc: Acute Oral (LD50): 7060 mg/kg (Rat); Acute Dermal(LD50): 500 mg/24hr (Rabbit); Methyl Alc: Acute Oral (LD50):5628 mg/kg (Rat); Acute Dermal (LLD50) 500mg/24hr (Rabbit); Isopropyl Alc: Acute Oral (LD50): 500 (rabbit); Phenol: Acute Oral (LD50) 317 mg/kg (Rat) Acute Dermal (LD50) 850 mg/kg (Rabbit); Basic Fuchsin: Acute Oral (LD50)

Human Toxic Effects.: Target Organs: Respiratory system, skin, eyes, CNS, liver, blood and reproductive system

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

Potential Chronic Health Effects .: Isopropyl Alcohol: IARC Code 3; Phenol: IARC Code 3

Section 12. Ecological Information

Ecological Information.: N/A

Section 13. Disposal Considerations

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

Section 14. Transport Information

DOT Identification : Non Hazardous

Section 15. Regulatory Information

State Regulations : New York release reporting list: Phenol

Sara Section 311 Reporting

Component	CAS#	Acute	Chronic	Fire	Pressure	Reactive	SARA302	SARA313	CERCLA	RCRA
Ethyl Alcohol	64-17-5	No	No	No	No	No	No	Yes	Yes	No	
Isopropyl Alcohol	67-63-0	No	No	No	No	No	No	Yes	No	No	
Phenol	108-5-2	No	No	No	No	No	Yes	Yes	Yes	No	
Basic Fuchsin	569-61-9	No	No	No	No	No	No	No	No	No	
Methyl Alcohol	67-56-1	No	No	No	No	No	No	Yes	Yes	No	

Section 16. Other Information

Review Date : 3/14/2023
Reviewed by : Tsc
MSDS Group Id : 28

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SAFETY DATA SHEET

Section 1. Product and Company Identification

Item Number.: s188b-1
Common Name.: Methylene Blue Working
Intended Use : In Vitro Diagnostic use. Laboratory Use Only
IN CASE OF EMERGENCY, CONTACT: CHEMTREC (24HR) 800-424-9300

Manufacturer.: Poly Scientific R&D Corp.

70 Cleveland Ave
Bay Shore NY 11706

polyrnd@polyrnd.com

Section 2. Hazard Identification

302 Acute toxicity, oral Cat 4
373 Specific target organ; toxicity repeated exposure Cat 2

Warning
Harmful if swallowed. Causes damage to organs through prolonged or repeated exposure.
Wash hands/skin thoroughly after handling. Do not eat, drink, or smoke when using this product. Do not breathe dust/fume/gas/mist/vapors/spray. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. 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
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 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 blue liquid
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	No	
Components		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

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