

Section 1. Product and Company Identification

Item Number: s2443a-1
 Common Name: Crystal Violet Solution Set A
 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

225 Flammable Liquids Cat 2
 301 Acute toxicity, oral Cat 3
 311 Acute toxicity, dermal Cat 3
 317 Sensitizer, Skin Cat 1
 318 Serious eye damage/eye irritation Cat 1
 350 Carcinogenicity Cat 1A, 1B
 370 Specific target organ toxicity, single exposure Cat 1



Danger

Highly flammable liquid and vapor. Toxic if swallowed and in contact with skin. May cause an allergic skin reaction. Causes serious eye damage. 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. 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. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Take off contaminated clothing and wash before reuse. 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. 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. Store locked up. Dispose of contents/container to an approved waste disposal plant.

Hazards not otherwise covered by GHS: None

Section 3. Composition Information

Exposure Limits(A blank value indicates no information available)

Component	CAS#	PEL(mg/m ³)	STEL(mg/m ³)	CEIL(mg/m ³)	Concentration Range
Ethyl Alcohol	64-17-5		1,900.00		5-10%
Isopropyl Alcohol	67-63-0	1,225.00	980.00		0-5%
Crystal Violet	548-62-9				0-5%
Aniline	62-53-3		2.00		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 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 Dry Chemical, Foam, or Carbon Dioxide

Special Fire and Explosion Remarks : N/A

Section 6. Accidental Release Measures

Spill Cleanup and Disposal Special : Eliminate ignition sources. 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	Evaporation Rate	Water Soluable?
Odor	Upper Flammability Limit (%) ..	Volatile Percent
Odor Threshold	Lower Flammability Limit (%) ..	Partition Coefficient
pH.....	Specific Gravity (@ 20C)	Auto Ignition Temp.
Melting Point	Vapor Pressure (mm Hg)	Decomposition Temp
Boiling Point	Vapor Density (Air=1)	Viscosity
Flash Point (F) TCC	Relative Density	

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: 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); Crystal Violet: Acute Oral (LD50): 420 mg/kg (Rat); Aniline: Acute Oral (LD50) 464 mg/kg (Mouse) Acute Dermal (LD50) 820 mg/kg (Rabbit)

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

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

Potential Chronic Health Effects : Isopropyl Alcohol: IARC Code 3; Aniline: 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 ; III

Section 15. Regulatory Information

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

Sara Section 311 Reporting

Component	CAS#	Acute	Chronic	Fire	Pressure	Reactive	SARA 302	SARA 313	CERCLA	RCRA
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
Crystal Violet	548-62-9	No	No	No	No	No	No	No	No	No
Aniline	62-53-3	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: 12/17/2015

Reviewed by: ddi

MSDS Group Id: 38

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

It is the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use.

While this MSDS is based on reliable technical data, Poly Scientific R&D Corp. assumes no responsibility for the completeness or accuracy of the information contained herein.

Section 1. Product and Company Identification

Item Number: s2443b-1
 Common Name: Crystal Violet Solution Set B
 Intended Use: In Vitro Diagnostic use. Laboratory Use Only
 IN CASE OF EMERGENCY, CONTACT: CHEMTREC (24HR) 800-424-9300

Manufacturer: Poly Scientific R&D Corp

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

Section 2. Hazard Identification

302 Acute toxicity, oral Cat 4
 318 Serious eye damage/eye irritation Cat 1
 350 Carcinogenicity Cat 1A, 1B



Danger
 Harmful if swallowed.
 Causes serious eye damage.
 May cause cancer.

Obtain special instructions before use.
 Do not handle until all safety precautions have been read and understood. Wash hands/skin thoroughly after handling. Do not eat, drink or smoke when using this product. 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 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 or concerned: Get medical advice/ attention.
 Collect spillage. Store locked up. Dispose of contents/ container to an approved waste disposal plant.

Hazards not otherwise covered by GHS: None

Section 3. Composition Information

Exposure Limits(A blank value indicates no information available)

Component	CAS#	PEL(mg/m ³)	STEL(mg/m ³)	CEIL(mg/m ³)	Concentration Range
Crystal Violet	548-62-9				0-5%

Section 4. First Aid Measures

Eye Contact: Check for and remove contact lenses. Wash with large amounts of water for 15 minutes. Seek medical attention.
 Skin Contact: Remove contaminated clothing and shoes. Wash the affected area with large with soap and water. Seek medical attention
 Ingestion: Give two glasses of water to a conscious victim. Do not induce vomiting. Seek medical attention
 Inhalation: Move person to fresh air. If necessary give CPR: warning this could pose a risk of exposure to the rescue breather. Seek medical attention
 The most important known symptoms and effects are described in section 2 and/or section 11.

Section 5. Fire Fighting Measures

Extinguishing Media : Water Spray, Dry Chemical, or Carbon Dioxide
 Special Fire and Explosion Remarks : N/A

Section 6. Accidental Release Measures

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

Section 7. Handling and Storage

Storage and Handling Special : 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	red 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

Animal Toxicity: No occupational exposure limits established by OSHA, ACGIH or NIOSH. Acute Oral (LD50): 420 mg/kg (Rat)

Human Toxic Effects: Target Organs: Eyes

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

Potential Chronic Health Effects : N/A

Section 12. Ecological Information

Ecological Information : N/A

Section 13. Disposal Considerations

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

Section 14. Transport Information

DOT Identification : UN1170; Ethanol Solutions ; III

Section 15. Regulatory Information

State Regulations New York release reporting list: N/A

Sara Section 311 Reporting

Component	CAS#	Acute	Chronic	Fire	Pressure	Reactive	SARA 302	SARA 313	CERCLA	RCRA
Crystal Violet	548-62-9	No	No	No	No	No	No	No	No	No

Section 16. Other Information

Review Date: 12/17/2015

Reviewed by: ddi

MSDS Group Id: 35

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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