

IN CASE OF EMERGENCY, CONTACT: CHEMTREC (24HR) 800-424-9300



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Hazardous Materials Identification System

Health.....: 3
Flammability.....: 2
Reactivity.....: 1
***PPE**.....: g

*See Section 8

Section 1. Chemical Product and Company Identification

Item Number: s2497-1

Common Name: Toluidine Blue 2% pH 2.5

Chemical Name(s): Toluidine Blue, Acetic Acid

Chemical Family: Thiazin Dye, carboxylic A

Chemical Formula: Mixture

Section 2. Composition Information**Exposure Limits(A blank value indicates no information available)**

Component	CAS#	PEL(mg/m3)	STEL(mg/m3)	CEIL(mg/m3)
Toluidine Blue O	92-31-9			
Acetic Acid	64-19-7	15.00	10.00	

Section 3. Hazards Identification

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

Potential Chronic Health Effects: N/A

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

Section 5. Fire and Explosion Data

Flash Point (F) TCC: N/A

Lower Flammability Limit (%): N/A

Upper Flammability Limit (%): N/A

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

Special Fire and Explosion Remarks: N/A

Section 6. Accidental Release Measures

Spill Cleanup and Disposal Special: Danger! Combustible! Wear protective clothing and respirator equipment. Dipseve vapors with water spray, flush spill. Pick up

Spill Cleanup: Take up spills with absorbant material and containerize for proper disposal

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

Note: N/A

Appearance: clear blue

pH: N/A

Vapor Pressure (mm Hg).....: N/A

Volatile Percent.....: N/A

Odor: N/A

Specific Gravity (@20C).....: N/A

Vapor Density (Air=1): N/A

Water Soluable?.....: Yes

Section 10. Stability and reactivity

Special Remarks on Stability: Stable

Special Remarks on Reactivity: N/A

Water Reactive: No

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Section 11. Toxicological Information**Routes of Entry:** Inhalation, Skin Absorption, Ingestion**Animal Toxicity:** Toluidine Blue: Intravenous (LD50) 27560 ug/kg (Mouse) Intravenous (LD50) 28930 ug/kg (Rat); Acetic Acid: Acute Oral (LD50)**Human Toxic Effects:** Target Organs: GI System, Respiratory System, Blood, Skin, Eyes**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:** UN3265; Non Hazardous Material; 8; III**Section 15. Regulatory Information**

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

Sara Section 311 Reporting

Component	CAS#	Acute	Chronic	Fire	Pressure	Reactive	SARA302	SARA313	CERCLA	RCRA
Toluidine Blue O	92-31-9	No	No	No	No	No	No	No	No	No
Acetic Acid	64-19-7	No	No	No	No	No	No	No	Yes	No

Section 16. Other Information**Review Date:** 6/27/2013**Reviewed by:** tsc**MSDS Group Id:** 254**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.