

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



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Hazardous Materials Identification System

Health.....: 1
 Flammability.....: 0
 Reactivity.....: 0
 *PPE.....: c

*See Section 8

Section 1. Chemical Product and Company Identification

Item Number: s287-1
Common Name: Toluidine Blue 0.1% Aqueous For Metachromasia
Chemical Name(s): Toluidine Blue
Chemical Family: Thiazin Dye
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 | | | |

Section 3. Hazards Identification

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

Potential Chronic Health Effects: Mutagenic

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: Use Dry Chemical, carbon Dioxide, Water Spray, Foam, Fog or Alcoholic 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

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

Note: N/A

Appearance: clear blue

Odor: N/A

pH: N/A

Specific Gravity (@20C): N/A

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

Vapor Density (Air=1): N/A

Volatile Percent.....: N/A

Water Soluable?.....: Yes

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: Intravenous (LD50) 27560 mg/kg (Mouse) Intravenous (LD50) 28930 mg/kg (Rat)

Human Toxic Effects: Target Organs: Gi System, Respiratory System, Blood, Skin and Eyes

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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: 0; Non Hazardous Material; ; 0

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 |
|------------------|---------|-------|---------|------|----------|----------|---------|---------|--------|------|
| Toulidine Blue O | 92-31-9 | No | No | No | No | No | No | No | No | No |

Section 16. Other Information

Review Date: 6/3/2013

Reviewed by: tsc

MSDS Group Id: 116

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.