

# MATERIAL SAFETY DATA SHEET

*Product Name:* Toluidine Blue O  
*Catalog Number:* 70975, 70975-KG  
*Other Names:* Dimethyltoluthionine Chloride, Blutene Chloride  
*DOT Hazard Class:* Not hazardous  
*MSDS Updated:* 9/2011

*Distributed By:* Ladd Research Industries  
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Williston, VT 05495  
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## HAZARDOUS COMPONENTS

	<i>CAS Number</i>	<i>Percent</i>	<i>Exposure Limits</i>
Toluidine Blue O	92-31-9	85-94%	Not available

## PHYSICAL AND CHEMICAL DATA

**Boiling Point:** Not available  
**Melting Point:** Not available  
**Specific Gravity:** Not available  
**Solubility:** Soluble in water, ethanol  
**Appearance and Odor:** Odorless, dark green solid

## FIRE AND EXPLOSION DATA

**Flash Point:** Not available  
**Explosive Limits:** Not available  
**Extinguishing Media:** Water spray, carbon dioxide, dry chemical powder, alcohol or polymer foam.  
**Special Fire Fighting Procedures:** Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.  
**Unusual Fire and Explosion Hazards:** Emits toxic fumes under fire conditions

## HEALTH HAZARD DATA

May be harmful by inhalation, ingestion or skin absorption. May cause eye and skin irritation. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

## EMERGENCY AND FIRST AID

**Eye:** Irrigate thoroughly with water for at least 10 minutes. If discomfort persists obtain medical attention.  
**Inhalation:** Remove from exposure, rest and keep warm. In severe cases obtain medical attention.  
**Ingestion:** Wash out mouth thoroughly with water and give plenty of water to drink. Obtain medical attention.

## REACTIVITY DATA

**Stability:** Material is stable  
**Hazardous Polymerization:** Will not occur  
**Incompatibility:** Strong oxidizing agents  
**Hazardous Decomposition Products:** Toxic fumes of; carbon monoxide, carbon dioxide, nitrogen oxides, hydrogen chloride gas and sulfur oxides.

## SPILL, DISPOSAL AND STORAGE INFORMATION

**In Case of Spill, Release:** Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves. Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.  
**Disposal:** Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state and local environmental regulations.  
**Storage:** Keep container tightly closed and in a cool, dry environment.

**PROTECTIVE EQUIPMENT AND CONTROL MEASURES**

**Respirator:** Dust respirator

**Ventilation:** Extraction hood

**Gloves:** Rubber or plastic gloves

**Eye Protection:** Goggles or face shield

**Other Precautions:** Plastic apron and sleeves

**SECTION 313 SUPPLIER NOTIFICATION**

**Not applicable**



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