

# SAFETY DATA SHEET



## 1. IDENTIFICATION

### Product identifier

Product Name Toluidine Blue O Ind / TB3800-A

### Recommended use of the chemical and restrictions on use

Recommended use Industrial use

### **Distributor Address**

**Best Sanitizers, Inc.**  
PO Box 1360  
Penn Valley, CA 95946  
Toll Free: 888-225-3267

### Emergency telephone number

**Emergency Phone Numbers** For Transportation Emergencies, call  
Aquaphoenix Scientific 1-800-255-3924

## 2. HAZARDS IDENTIFICATION

### Classification

Not Classified for physical or health hazard.

<b>Physical hazards</b>	
None	
<b>Health hazards</b>	
None	
<b>Environmental hazards</b>	
None	

<b>Signal word</b>	N/A		
<b>Hazard statements</b>	None		
<b>Appearance</b>	Aqueous solution	<b>Physical State</b>	Liquid
			<b>Odor</b> Odorless

**Precautionary Statements - Prevention**

None

**Precautionary Statements - Response**

None

**Precautionary Statements - Storage**

None

**Precautionary Statements - Disposal**

None

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS No.	Weight %	
Toluidine Blue	92-31-9	.1	
Deionized Water	7732-18-5	99.9	

**4. FIRST AID MEASURES**

**First aid measures**

**Eye Contact**

Hold eye(s) open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses if present, after first 5 minutes, then continue rinsing eye(s). Immediately get medical advice/attention.

**Skin Contact**

Wash off immediately with soap and plenty of water. Rinse/flush exposed skin gently using water for 15-20 minutes. Get medical attention if irritation develops and persists.

**Inhalation**

Move to fresh air. If necessary, provide artificial respiration. Loosen clothing and position individual in a comfortable position. Seek medical advice if discomfort or irritation persists. If breathing difficult, give oxygen.

**Ingestion**

Do **NOT** induce vomiting. Rinse mouth thoroughly. Have exposed individual drink sips of water.

**Most important symptoms and effects, both acute and delayed**

**Most Important Symptoms and Effects**

Irritation. Nausea. Headache. Shortness of breath.

**Indication of any immediate medical attention and special treatment needed**

Notes to Physician

Treat symptomatically.

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**5. FIRE-FIGHTING MEASURES**

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**Suitable Extinguishing Media**

If in laboratory setting, follow laboratory fire suppression procedures.

**Specific Hazards Arising from the Chemical**

No information available

**Unsuitable extinguishing media**

No information available

**Protective equipment and precautions for firefighters**

For emergency responders, personal protection recommended in Section 8. Ensure adequate ventilation, especially in confined areas. Transfer to a disposal. Isolate area. Keep unnecessary personnel away. Use NIOSH-approved respiratory protection/breathing apparatus.

**Environmental Precautions**

Prevent entry into waterways, sewers, basements, or confined areas. See Section 12 for additional ecological information.

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**6. ACCIDENTAL RELEASE MEASURES**

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**Personal precautions, protective equipment and emergency procedures**

If necessary, use trained response staff or contractor. Wear protective eyewear, gloves, and clothing. Refer to Section 8. Clean up spills immediately observing precautions. Always obey local regulations.

**Methods and material for containment and cleaning up**

If necessary, use trained response staff or contractor. If in laboratory setting, follow Chemical Hygiene Plan procedures. Wear protective eyewear, gloves, and clothing. Refer to Section 8. Clean up spills immediately observing precautions. Always obey local regulations.

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**7. HANDLING AND STORAGE**

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**Precautions for safe handling**

Avoid contact with skin, eyes, or clothing. Wash thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice.

**Conditions for safe storage, including any incompatibilities**

Store in a cool location. Keep away from food and beverages. Protect from freezing and physical damage. Provide ventilation for containers. Keep container tightly sealed. Store away from incompatible materials.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

### Appropriate engineering controls

**Engineering Measures**                      Showers  
   Eyewash stations  
   Ventilation systems

### Individual protection measures, such as personal protective equipment

**Eye/Face Protection**                      Wear safety glasses with side shields (or goggles).

**Skin and Body Protection**                Wear impermeable and resistant gloves. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

**Respiratory Protection**                    If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**Hygiene Measures**                            Wash face, hands and any exposed skin thoroughly after handling. Wash contaminated clothing and shoes before reuse. Do not Eat, Drink or Smoke when using this product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Physical and Chemical Properties

<b>Physical State</b>	Liquid	<b>Odor</b>	Odorless
<b>Appearance</b>	Aqueous Solution	<b>Odor Threshold</b>	No information available
<b>Color</b>	Clear, blue-purple		

<u>Property</u>	<u>Values</u>	<u>Remarks/ Method</u>
<b>pH</b>	Not Determined	None known
<b>Melting/freezing point</b>	Approximately 0°C	None known
<b>Boiling point / boiling range</b>	Approximately 100°C	None known
<b>Flash Point</b>	No data available	None known
<b>Evaporation rate</b>	No data available	None known
<b>Flammability (solid, gas)</b>	No data available	None known
<b>Flammability Limits in Air</b>		
<b>Upper flammability limit</b>	No data available	None known
<b>Lower flammability limit</b>	No data available	None known
<b>Vapor pressure</b>	No data available	None known
<b>Vapor density</b>	Not determined	None known
<b>Specific Gravity</b>	Approximately 1	None known
<b>Water Solubility</b>	Infinite solubility in water	None known
<b>Partition coefficient</b>	No data available	None known
<b>Autoignition temperature</b>	No data available	None known
<b>Decomposition temperature</b>	No data available	None known
<b>Kinematic viscosity</b>	No data available	None known
<b>Dynamic viscosity</b>	No data available	None known
<b>Explosive properties</b>	No data available	None known
<b>Oxidizing properties</b>	No data available	None known

## 10. STABILITY AND REACTIVITY

### **Reactivity**

Nonreactive under normal processing.

### **Chemical stability**

Stable under recommended storage conditions. Light Sensitive.

### **Possibility of Hazardous Reactions**

None under normal processing.

### **Conditions to avoid**

Store away from oxidizing agents, strong acids or bases, Incompatible materials.

### **Incompatible materials**

Strong acids. Strong bases.

### **Hazardous Decomposition Products**

Nitrogen oxides (NOx). Carbon oxides..

## 11. TOXICOLOGICAL INFORMATION

Acute Toxicity:	No additional Information
Chronic Toxicity:	No additional Information
Corrosion Irritation:	No additional Information
Sensitization:	No additional Information. None.
Single Target Organ (STOT):	No additional Information. None.
Numerical Measures:	No additional Information
Carcinogenicity:	No additional Information
Mutagenicity:	No additional Information. None.
Reproduce Toxicity:	No additional Information. None.

## 12. ECOLOGICAL INFORMATION

### **Ecotoxicity**

None

### **Persistence and Degradability**

Readily degradable in the environment.

### **Bioaccumulation potential**

No bioaccumulative.

### **Mobility in soil**

None.

### **Other adverse effects**

No information available

## 13. DISPOSAL CONSIDERATIONS

### **Disposal methods**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

### **Contaminated Packaging**

Dispose of in accordance with federal, state, and local regulations.

## 14. TRANSPORT INFORMATION

### **DOT**

Not Regulated

## 15. REGULATORY INFORMATION

### **International Inventories**

**TSCA** Complies

**DSL/NDSL** Complies

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

### **U.S. Federal Regulations**

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

#### **SARA 311/312 Hazard Categories**

None of the ingredients are listed

#### **CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

#### **CERCLA**

None of the ingredients are listed

### **US State Regulations**

#### **California Proposition 65**

This product does not contain any Proposition 65 chemicals.

