

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

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.

Physical hazards	
None	
Health hazards	
None	
Environmental hazards	
None	

Signal word	N/A		
Hazard statements	None		
Appearance	Aqueous solution	Physical State	Liquid
		Odor	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.

5. FIRE-FIGHTING MEASURES

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.

6. ACCIDENTAL RELEASE MEASURES

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.

7. HANDLING AND STORAGE

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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Appropriate engineering controls

Engineering Measures	Showers Eyewash stations Ventilation systems
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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

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

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

16. OTHER INFORMATION

NFPA	Health Hazard	Flammability	Instability	Personal Protection
	1	0	0	X

Prepared By Technical Department

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Version 4

Reference Annual Review

General Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet