



HURST SCIENTIFIC

**Safety Data Sheet
Toluidine Blue in Borax**

SECTION 1: Identification

GHS Product identifier

Product name	Toluidine Blue in Borax
Product number	TOLB1-100M, 500ML 1L, 2.5L, 5L
Brand	Hurstchem

Recommended use of the chemical and restrictions on use
Laboratory Reagent

Supplier's details

Name	Hurst Scientific
Address	2 Transit Place 6112 Forrestdale WA Australia
Telephone	1300 778 068
email	sales@hurstscientific.com.au

Emergency phone number

Australian Emergency Services: 000 (24 hours)
Australian Poisons Information Centre: 131 126 (24 hours)

SECTION 2: Hazard identification

General hazard statement

Classified as a **NON-Hazardous** substance according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.
Classified as a **NON-Dangerous goods** according to the ADG Code for the Transport of Dangerous Goods by Road and Rail (7th Edition).

Classification of the substance or mixture

GHS classification in accordance with: UN GHS revision 8

Not a hazardous substance or mixture.

GHS label elements, including precautionary statements

Not a hazardous substance or mixture.

Other hazards which do not result in classification

Not a hazardous substance or mixture.

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SECTION 3: Composition/information on ingredients

Mixtures

Hazardous components

1. Toluidine Blue O

Concentration	< 1 %
CAS no.	92-31-9

2. Disodium tetraborate, anhydrous

Concentration	< 1 %
CAS no.	1303-96-4

3. Water

Concentration	Balance
CAS no.	7732-18-5

SECTION 4: First-aid measures

Description of necessary first-aid measures

If inhaled	Evacuate to fresh air immediately. If irritation develops seek medical attention. If breathing stops apply artificial respiration.
In case of skin contact	Remove contaminated clothing and wash affected area with soap and water thoroughly. If irritation develops, seek medical attention.
In case of eye contact	Flush eyes with copious amounts of water for at least 15 minutes. If irritation develops or persists, seek medical attention.
If swallowed	DO NOT induce vomiting. Rinse with water and seek immediate medical attention.
Personal protective equipment for first-aid responders	Treat symptomatically.

SECTION 5: Fire-fighting measures

Suitable extinguishing media

Use foam, dry chemical Carbon Dioxide or water spray.

Specific hazards arising from the chemical

Toxic gases may evolve.

Special protective actions for fire-fighters

Wear SCBA (Self-Contained Breathing Apparatus) and full protective equipment.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Wear appropriate protective clothing. Ensure adequate ventilation. If possible contain the spill.

Methods and materials for containment and cleaning up

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Absorb with vermiculite or other inert material and place into a suitably labelled container. Dispose of waste according to local authority guidelines. Do not contaminate drains or waterways.

SECTION 7: Handling and storage

- Precautions for safe handling**
Use only in an adequately ventilated area. Wear appropriate protective clothing to avoid any exposure and practice good personal hygiene.
- Conditions for safe storage, including any incompatibilities**
Store in a cool, dry, well-ventilated area away from direct sunlight. Keep containers tightly closed.

SECTION 8: Exposure controls/personal protection

- Individual protection measures, such as personal protective equipment (PPE)**
- Eye/face protection**
Safety glasses or chemical safety goggles.
- Skin protection**
Chemical resistant gloves and laboratory coat.

SECTION 9: Physical and chemical properties

Basic physical and chemical properties	
Physical state	Liquid
Appearance	Blue liquid
Odor threshold	Not available
Melting point/freezing point	Not available
Boiling point or initial boiling point and boiling range	Not available
Lower and upper explosion limit/flammability limit	Not applicable
pH	Not available
Solubility	Soluble
Density and/or relative density	Not available

SECTION 10: Stability and reactivity

- Reactivity**
Non-reactive under recommended conditions for use and storage.
- Chemical stability**
Stable under recommended conditions for use and storage.
- Conditions to avoid**
Temperature extremes and direct sunlight.
- Incompatible materials**
Strong oxidisers, metals and strong bases.
- Hazardous decomposition products**
Toxic gases may evolve.

SECTION 11: Toxicological information

- Information on toxicological effects**
- Acute toxicity**
Eye Contact: May cause irritation, redness, lacrimation and pain.
Skin Contact: May cause irritation, redness and itching.

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Inhalation: May cause irritation to the mucous membranes of the upper respiratory tract.

Ingestion: Can cause irritation and discomfort resulting in nausea, vomiting, abdominal pain and diarrhoea.

Skin corrosion/irritation

No data available.

Serious eye damage/irritation

No data available.

Respiratory or skin sensitization

No data available.

Germ cell mutagenicity

No data available.

Carcinogenicity

No classification by IARC.

Reproductive toxicity

No data available.

Specific target organ toxicity (STOT) - single exposure

No data available.

Specific target organ toxicity (STOT) - repeated exposure

No data available.

Aspiration hazard

No data available.

Additional information

TOXICITY DATA: No data available.

SECTION 12: Ecological information

Toxicity

Prevent contamination of drains and waterways.

Persistence and degradability

Not available.

Bioaccumulative potential

Not expected to bio-accumulate.

Mobility in soil

Not available.

Other adverse effects

Environmental fate (exposure) Do not contaminate drains and waterways.

SECTION 13: Disposal considerations

Disposal methods

Product disposal

Dispose of in accordance with local authority guidelines.

SECTION 14: Transport information

UN Number

None

UN Proper Shipping Name

None

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Packing group	None
Environmental hazards	None
Special precautions for user	None
Transport in bulk according to IMO instruments	None

SECTION 15: Regulatory information

Chemical Safety Assessment

- Poison Schedule: Not scheduled.
- TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight hour working day, for a five day week.
- STEL (Short Term Exposure Limit): The average airborne concentration over a 15-minute period which should not be exceeded at any time during a normal eight-hour workday.

SECTION 16: Other information

References

1. Safe Work Australia, Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice, (2011).
2. Safe Work Australia, National Code of Practice for the Labelling of Workplace Hazardous Chemicals (2015).
3. Safe Work Australia, Workplace Exposure Standards for Airborne Contaminants (2013)
4. National Transport Commission Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code); Canprint: Canberra (2007), Volume 1, 7th Edition.
5. Standards Australia, Dangerous Goods Initial Emergency Response Guide: Australian Handbook (SAA/SNZ HB76); Homebush (2004).

Further information/disclaimer

This SDS is prepared in accordance with the Safe Work Australia, Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice, (2011). The information contained within is believed to be accurate at the date of preparation/review. Point of Care Diagnostics Pty Ltd makes no claims of the accuracy or completeness of the information and excludes all liability for any loss or damage related to the supply or use of the information in this material safety data sheet. It is recommended the user make their own determinations as to the suitability of the information provided to the application in which the product is to be used.

Preparation information

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