Section 1. Identification of the Substance/Mixture and the Company

| 1.1 Product Identifier | Product Name: Toluidine Blue 1% Aqueous (Frozen Section Stain)  
Product Number: TB-500 |
|------------------------|-------------------------------------------------------------|
| 1.2 Intended use       | EN: Laboratory reagent. For professional use only.  
DE: Laboratoriumreagens. Alleen voor professioneel gebruik.  
EL: Αντιδραστήριο εργαστηρίου. Για επαγγελματική χρήση μόνο.  
ES: Reactivo de laboratorio. Sólo para uso profesional.  
FR: Réactif de laboratoire. Pour un usage professionnel uniquement.  
IT: Laboratorio di reagente. Solo per uso professionale.  
NL: Laboratoriumreagens. Alleen voor professioneel gebruik.  
PT: Reagente de laboratório. Para uso profissional.  
SV: Laboratoriereagens. Endast för yrkesmässig användning. |
| 1.3 Details of the supplier of the safety data sheet | Manufactured For: StatLab Medical Products  
Address: 2090 Commerce Drive  
McKinney, TX 75069  
U.S.A.  
Phone Number: 800-442-3573  
Fax Number: 972-436-1369  
Website: statlab.com |
| 1.4 Emergency telephone numbers | CHEMTREC: 800-424-9300 (USA & Canada)  
CHEMTREC: 703-527-3887 (International)  
Non-transport: 972-436-1010 (USA) |

Section 2. Hazards Identification

| GHS Classification | Not a hazardous mixture as classified by the GHS. |
|--------------------|-------------------------------------------------
| 2.2 Label Elements | Not a hazardous mixture as classified by the GHS. |
| NFPA Scale: 0-4 | |
| HMIS (U.S.A.) Scale: 0-4 | HEALTH 0  
FLAMMABILITY 0  
PHYSICAL HAZARD 0  
PERSONAL PROTECTION B |
| 2.3 Other Hazards | PBT: This mixture does not contain any substances that are assessed to be a PBT.  
vPvB: This mixture does not contain any substances that are assessed to be a vPvB. |

Section 3. Composition and Information on Ingredients

| 3.2 Chemical Description: | Mixture  
*May contain additional non-hazardous proprietary ingredients. |
Section 4. First Aid Measures

4.1 Description of first aid measures

Eye Contact: Check for and remove contact lenses. Immediately flush eyes with copious amounts of water. Get immediate medical attention if irritation continues.

Skin Contact: Remove contaminated clothing and wash contact area with mild soap and copious amounts of water. Get medical attention if irritation develops.

Inhalation: If inhaled, remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms worsen.

Ingestion: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as collar, tie, belt or waistband. Get immediate medical attention.

4.2 Most important symptoms and effects, both acute and delayed

See section 2.2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed

No data available

Section 5. Fire Fighting Measures

5.1 Extinguishing Media

Extinguish fire using water spray, carbon dioxide, chemical foam, or dry chemical.

5.2 Special hazards arising from the substance or mixture

No unusual fire or explosion hazards expected.

5.3 Advice for firefighters

As with any fire, wear personal protection equipment, including a self-contained breathing apparatus (S.C.B.A.)

Section 6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear chemical resistant clothing, gloves, and eye protection. Wear NIOSH/MSHA approved breathing apparatus.

6.2 Environmental precautions

Keep material away from heat, flame, ignition sources, and reactive materials. Don't allow product to enter drain.

6.3 Methods and materials for containment and cleaning up

Wipe up or absorb spill using inert absorbent and place in a suitable waste container for disposal.

Section 7. Handling and Storage

7.1 Precautions for safe handling.

Avoid contact with skin and eyes.
Wash thoroughly after handling.
Avoid breathing vapor.

7.2 Conditions for safe storage, including any incompatibilities.

Store in well ventilated area.
Keep container tightly closed.
Store at 15-30°C.

7.3 Specific end use(s).

See section 1.2

Section 8. Exposure Controls / Personal Protection

Prepared according to Regulation (EC)No 1272/2008 (CLP)
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8.1 Control parameters | Exposure Limits: N/A
8.2 Exposure controls | Personal Protective Equipment (PPE):
Eye/Face protection. Safety glasses or goggles are required.
Skin protection. Protective clothing is required.
Hand protection. Chemical resistant gloves are required.
Glove material must be resistant to the components of this product.
Consult glove manufacturer for specific recommendations of appropriate material and thickness of glove.
Respiratory protection. Avoid breathing vapor.
Environmental exposure controls. Avoid releasing large quantities into the environment.
No additional information.

Engineering Controls | Working area should be adequately large and well ventilated to prevent concentration of vapors. Provide mechanical exhaust ventilation or other engineering controls to keep airborne concentrations of vapors below their respective threshold limits.

### Section 9. Physical and Chemical Properties

| Physical State | Liquid |
| Color | Dark blue non-transparent. |
| Odor | Very mild odor. |
| Odor Threshold | Unknown |
| pH | Unknown |
| Melting Point/ Freezing Point | Unknown |
| Initial Boiling Point | Unknown |
| Flash Point | Unknown |
| Evaporation Rate | Unknown |
| Flammability (solid, gas) | Unknown |
| Upper/Lower Flammability Limits | Unknown |
| Vapor Pressure | Unknown |
| Vapor Density | Unknown |
| Relative Density | Unknown |
| Solubility(ies) | Water |
| Partition Coefficient: n-octanol/water | Unknown |
| Auto-Ignition Temperature | Unknown |
| Decomposition Temperature | Unknown |
| Viscosity | Unknown |
| Explosive Properties | Not explosive. |
| Oxidizing Properties | Unknown |

### Section 10. Stability and Reactivity

10.1 Reactivity | No relevant data available.
10.2 Chemical Stability | Stable under normal temperatures and pressures.
10.3 Possibility of Hazardous Reactions | No hazardous reactions known.
10.4 Conditions to Avoid
Fire, static electricity, direct sunlight.

10.5 Incompatible Materials
N/A

10.6 Hazardous Decomposition Materials
Carbon oxides.

Section 11. Toxicological Information

11.1 Information on Toxicological Effects.
- **Acute Toxicity.**
  - No relevant data available
- **Skin Corrosion/Irritation.**
  - May be irritating to skin and mucous membranes.
- **Serious Eye Damage/Irritation.**
  - May be irritating to the eyes.
- **Respiratory or skin sensitization.**
  - No relevant data available.
- **Germ Cell Mutagenicity.**
  - No relevant data available.

**Carcinogenicity.**
- International Agency for Research on Cancer (IARC).
  - None of the components are listed.
- National Toxicology Program (NTP).
  - None of the components are listed.

Section 12. Ecological Information

12.1 Toxicity
- **Fish:** No relevant studies identified.
- **Crustacea:** No relevant studies identified.
- **Algae/Aquatic Plants:** No relevant studies identified.
- **Other Organisms:** No relevant studies identified.

12.2 Persistence and Degradability.
No relevant studies identified.

12.3 Bioaccumulative Potential.
No relevant studies identified.

12.4 Mobility in Soil.
Miscible in water. May spread in water systems. This component is non-volatile.

Additional Remarks
None.

12.5 Results of PBT and vPvB Assessment.
- **PBT:** This mixture does not contain any substances that are assessed to be a PBT.
- **vPvB:** This mixture does not contain any substances that are assessed to be a vPvB.

Section 13. Disposal Considerations

Sewage disposal is discouraged. Waste should not be disposed of by release to sewers. Dispose waste in accordance with federal, state and local environmental control regulations.

Product/Packaging Disposal.
Final decisions on the appropriate waste management method must be in line with local, regional and national regulations.

Other Disposal Recommendations.
No relevant data available.

Section 14. Transport Information

14.1 UN Number DOT, IATA, IMDG, ADR.
- **DOT:** Not dangerous goods.
- **ADR/RID:** Not dangerous goods.
- **IMDG:** Not dangerous goods.
- **IATA:** Not dangerous goods.

14.2 UN Proper Shipping Name
- **ADR/RID:** Not dangerous goods.
- **IMDG:** Not dangerous goods.
Section 15. Regulatory Information

15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture.

Extremely Hazardous Substances; Section 355

None of the components in this mixture are listed.

Toxic Substances Control Act; TSCA

All of the components in this mixture are listed.

California Proposition 65

None of the components in this mixture are listed.

Right To Know Components

None of the components in this mixture are listed.

15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by StatLab Medical Products.

R phrases

S36/37/39
EN: Wear suitable protective clothing, gloves and eye/face protection.
DA: Brug særligt arbejdstøj, egnebebyttelseshandsker og -briller/ansigtskær.
DE: Bei der Arbeit geeignete Schutzkleidung, Schutzhandschuhe und Schutzbrille/Gesichtsschutz tragen.
EL: Φοράτε κατάλληλη προστατευτική ενδυµασία, γάντια και συσκευή προστασίας µατιών/τροισίµου
ES: Úsense indumentaria y guantes adecuados y protección para los ojos/la cara.
IT: Usare indumenti protettivi e guanti adatti e proteggersi gli occhi/la faccia.
NL: Draag geschikte beschermende kleding, handschoenen en een beschermingsmiddel voor de ogen/het gezicht.
PT: Usar vestuário de proteção, luvas e equipamento protector para os olhos /face adequados.
SV: Använd lämpliga skyddskläder, skyddshandskar samt skyddsglasögon eller ansiktskydd.

Section 16. Other Information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. StatLab Medical Products shall not be held liable for any damage resulting from handling or from contact with the above product.