

### Section 1: Identification

**Product name:** 10x DNA Loading Buffer  
**Product number:** TBS5018  
**Identified uses:** Laboratory chemicals, Synthesis of substances.

**Company:** Tribioscience  
 365 San Aleso Ave  
 Sunnyvale, CA 94085

**Phone:** 408-498-0197  
**Email:** order@tribioscience.com

### Section 2: Hazard(s) Identification

**Hazard Classification:** No known OSHA hazards. Not a dangerous substance according to GHS.

**Signal Word(s):** None  
**Hazard Statements:** None  
**Pictograms:** None  
**Precautionary Statements:** None  
**Description of other hazards:** None

### Section 3: Composition/ Information on Ingredients

Chemical Name	CAS#	Concentration (%)
Glycerol	56-81-5	40-70

### Section 4: First-Aid Measures

**After skin contact:** Rinse with plenty of water. Immediate medical attention is not required.

**After eye contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**After inhalation:** Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. Consult a physician if necessary.

**After swallowing:** Not expected to present a significant ingestion hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice.

### Section 5: Fire-Fighting Measures

**Suitable extinguishing agents:** Water spray. Carbon dioxide (CO<sub>2</sub>). Foam. Dry chemical.

**Unsuitable extinguishing agents:** No data available.  
**Specific hazards arising from chemical:** Not known.  
**Special protective equipment for firefighters:** Standard procedure for chemical fires.

### Section 6: Accidental Release Measures

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<b>Personal precautions:</b>	Ensure adequate ventilation. Always wear recommended personal protective equipment. Use personal protection equipment. See Section 8 for more detail
<b>Measures for environmental protection:</b>	No special environmental precautions required.
<b>Measures for cleaning/collecting:</b>	Soak up with inert absorbent material.
<b>Section 7: Handling and Storage</b>	
<b>Handling:</b>	Use personal protective equipment as required. No special handling advices are necessary
<b>Storage:</b>	Keep in a dry, cool, and well-ventilated place. Keep in properly labeled containers.
<b>Section 8: Exposure Controls/Personal Protection</b>	
<b>Engineering controls:</b>	Ensure adequate ventilation, especially in confined areas.
<b>General protective and hygienic measures:</b>	Handle in accordance with good industrial hygiene and safety practice.
<b>Breathing equipment:</b>	In case of insufficient ventilation wear respirators and components tested and approved under appropriate government.
<b>Protection of hands:</b>	Wear suitable gloves. Glove material: Compatible chemical-resistant gloves
<b>Eye protection:</b>	Tight sealing safety goggles.
<b>Section 9: Physical and Chemical Properties</b>	
<b>Physical state:</b>	Liquid
<b>Color:</b>	Blue.
<b>Odor:</b>	No data available.
<b>Odor threshold:</b>	No data available.
<b>pH:</b>	No data available.
<b>Melting point/freezing point:</b>	No data available.
<b>Boiling point/boiling range:</b>	No data available.
<b>Flash point:</b>	No data available.
<b>Evaporation rate:</b>	No data available.
<b>Flammability:</b>	No data available.
<b>Upper/lower flammability or explosive limits:</b>	No data available.
<b>Vapor pressure:</b>	No data available.
<b>Vapor density:</b>	No data available.
<b>Relative density:</b>	No data available.
<b>Solubility:</b>	No data available.
<b>Partition coefficient:</b>	No data available.
<b>Auto ignition temperature:</b>	No data available.
<b>Decomposition temperature:</b>	No data available.

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**Viscosity:** No data available.

**Section 10: Stability and Reactivity**

**Reactivity:** None.

**Chemical stability:** Stable under normal conditions.

**Possibility of hazardous reactions:** Hazardous reaction has not been reported.

**Conditions to avoid:** No data available.

**Incompatible materials:** No dangerous reaction known under conditions of normal use.

**Hazardous decomposition products:** No data available.

**Section 11: Toxicological Information**

**Acute toxicity:** Data are conclusive but insufficient for classification.

**Skin:** Data are conclusive but insufficient for classification.

**Eye:** Data are conclusive but insufficient for classification.

**Inhalation:** Data are conclusive but insufficient for classification.

**Germ cell mutagenicity:** Data are conclusive but insufficient for classification.

**Carcinogenic effects:** Data are conclusive but insufficient for classification.

**Reproductive toxicity:** Data are conclusive but insufficient for classification.

**STOT - single exposure:** Data are conclusive but insufficient for classification.

**STOT - repeated exposure:** Data are conclusive but insufficient for classification.

**Aspiration hazard:** Data are conclusive but insufficient for classification.

**Section 12: Ecological Information**

**Ecotoxicity:** Contains no substances known to be hazardous to the environment or not degradable in wastewater treatment plants.

**Mobility:** No data available.

**Biodegradation:** No data available.

**Bioaccumulation:** No data available.

**Other adverse effects:** No data available.

**Section 13: Disposal Considerations**

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**Waste from residues/unused products:** The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in accordance with approved disposal techniques. Disposal of this product, its solutions or of any by-products, shall comply with the requirements of all applicable local, regional, or national/federal regulations.

**Contaminated packaging:** Disposal must be made according to official regulations.

#### **Section 14: Transport Information**

**DOT regulations**

<b>UN number:</b>	Not applicable.
<b>UN shipping name:</b>	Not applicable.
<b>Hazard class:</b>	Not applicable.
<b>Packing group:</b>	Not applicable.
<b>Marine pollutant:</b>	Not applicable.
<b>Transport in bulk:</b>	Not applicable.
<b>Special precautions:</b>	Not applicable.

#### **Section 15: Regulatory Information**

<b>SARA Section 313 (specific toxic chemical listings):</b>	This product is not regulated by SARA.
<b>Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs):</b>	This product does not contain HAPs.
<b>TSCA (Toxic Substances Control Act):</b>	All components are listed or exempted.

#### **Section 16: Other Information**

<b>Date of preparation/update:</b>	8/31/20
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