

Section 1: Identification

Product name: 10x PAGE-gel transfer buffer
Product number: TBS5016
Identified uses: Laboratory chemicals, Synthesis of substances.

Company: Tribioscience
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 Sunnyvale, CA 94085

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Section 2: Hazard(s) Identification

Hazard Classification: This substance/mixture is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

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 (%)
Trometamol	77-86-1	1-5

Section 4: First-Aid Measures

After skin contact: Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If skin irritation persists, call a physician.

After eye contact: Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

After inhalation: Move to fresh air.
After swallowing: If swallowed, do not induce vomiting - seek medical advice. Never give anything by mouth to an unconscious person.

Section 5: Fire-Fighting Measures

Suitable extinguishing agents: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing agents: CAUTION: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from chemical: No data available.

Safety Data Sheet
10x PAGE-gel transfer buffer

Special protective equipment for firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Section 6: Accidental Release Measures

Personal precautions: Use personal protective equipment. Ensure adequate ventilation.

Measures for environmental protection: Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

Measures for cleaning/collecting: Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly.

Section 7: Handling and Storage

Handling: Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes, and clothing. Ensure adequate ventilation.

Storage: Keep containers tightly closed in a dry, cool, and well-ventilated place.

Section 8: Exposure Controls/Personal Protection

Engineering controls: Showers, eyewash stations, and ventilation systems.

General protective and hygienic measures: Handle in accordance with good industrial hygiene and safety practice.

Breathing equipment: In case of insufficient ventilation wear suitable respiratory equipment.

Protection of hands: Wear protective gloves/clothing.
Eye protection: Safety glasses with side-shields.

Section 9: Physical and Chemical Properties

Physical state: Liquid.
Color: Clear.
Odor: Colorless.
Odor threshold: No data available.
pH: 8.3
Melting point/freezing point: No data available.
Boiling point/boiling range: No data available.
Flash point: No data available.
Evaporation rate: No data available.
Flammability: No data available.
Upper/lower flammability or explosive limits: No data available.
Vapor pressure: No data available.
Vapor density: No data available.

Safety Data Sheet
10x PAGE-gel transfer buffer

Relative density:	No data available.
Solubility:	No data available.
Partition coefficient:	No data available.
Auto ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available.

Section 10: Stability and Reactivity

Reactivity:	No data available.
Chemical stability:	Stable under normal conditions.
Possibility of hazardous reactions:	None under normal processing.
Conditions to avoid:	No data available.
Incompatible materials:	Strong oxidizing agents.
Hazardous decomposition products:	Thermal decomposition can lead to release of irritating gases and vapors: Nitrogen oxides (NO _x).

Section 11: Toxicological Information

Acute toxicity:	9.12% of the mixture consists of ingredient(s) of unknown acute toxicity.
Skin:	May be harmful in contact with skin.
Eye:	May cause temporary eye irritation.
Inhalation:	No data available.
Germ cell mutagenicity:	No data available.
Carcinogenic effects:	No component of this product present at levels greater than or equal to 0.1% is identifiable as probable, possible or confirmed carcinogen by IARC, ACGIH, NTP, or OSHA.
Reproductive toxicity:	No data available.
STOT - single exposure:	No data available.
STOT - repeated exposure:	No data available.
Aspiration hazard:	No data available.

Section 12: Ecological Information

Ecotoxicity:	0% of the mixture consists of components of unknown hazards to the aquatic environment.
Mobility:	No data available.
Biodegradation:	No data available.
Bioaccumulation:	No data available.
Other adverse effects:	No data available.

Section 13: Disposal Considerations

Waste from residues/unused products:	Dispose of in accordance with all applicable national environmental laws and regulations.
Contaminated packaging:	Do not empty into drains; dispose of this material and its container in a safe way.

Section 14: Transport Information

DOT regulations

Safety Data Sheet
10x PAGE-gel transfer buffer

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

Section 15: Regulatory Information

SARA Section 313 (specific toxic chemical listings):	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.
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Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs):	None of the ingredients is listed.
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TSCA (Toxic Substances Control Act):	All components have the value ACTIVE.
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Section 16: Other Information

Date of preparation/update:	9/8/20
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