



MATERIAL SAFETY DATA SHEET

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SECTION 1. CHEMICAL IDENTIFICATION

CATALOG #: M55352-002 NAME: Buffer, REVEAL Dilution 5X Concentration

Molecular Biology
Reagent

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS CONTAINS:

CHEMICAL NAME:	CAS#:	% v/v
Potassium Chloride	7447-40-7	1-5
Tris(hydroxymethyl)aminomethane Hydrochloride (TRIS-HCL)	1185-53-1	1-5
Water and other low-hazard constituents.		

All Hazard information pertinent to this product has been provided in this Material Safety Data Sheet.

SECTION 3. HAZARDS IDENTIFICATION

Label Precautionary Statements

Mild irritation of contaminated tissue.

INHALATION: Inhalation of vapors or mists of this product may cause mild irritation. Fresh Air generally alleviates any symptoms.

CONTACT WITH SKIN or EYES: Product could mildly irritate skin or eyes if it comes in contact with them. Rinsing will alleviate irritation.

SKIN ABSORPTION: Skin absorption is not a significant route for exposure of this product.

INGESTION: Ingestion of this product, especially in large quantities, may cause gastric distress.

Symptoms can include nausea, vomiting, and diarrhea.

INJECTION: Injection of this product can cause local reddening, tissue swelling, and discomfort.

HEALTH EFFECTS OR RISKS FROM EXPOSURE: This Product is not known to cause significant acute or chronic health effects.

SECTION 4. FIRST-AID MEASURES

EYES: In case of contact, Flush eyes with copious amounts of water for at least 15 minutes.

SKIN: If contact causes irritation, flush the irritated area with running water. Remove contaminated clothing being careful to avoid eyes. Wash contaminated clothing before reuse.

INHALATION: If inhalation causes irritation, remove to fresh air. If necessary give artificial respiration. If breathing is difficult, give oxygen.

INGESTION: If the product is swallowed, CALL A PHYSICIAN. If professional help is not available, wash out mouth with water provided person is conscious.

SECTION 5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Water spray, Carbon Dioxide, Dry chemical powder, Foam, Halon or any available "ABC" Class.

SPECIAL FIREFIGHTING PROCEDURES

Wear self-contained Breathing apparatus and full protective clothing.

UNUSUAL FIRE AND EXPLOSIONS HAZARDS: This product may decompose when involved in a fire. It could produce toxic gases (carbon monoxide, carbon dioxide, and oxides of nitrogen).

SECTION 6. ACCIDENTAL RELEASE MEASURES

SPILL OR LEAK: For small spills, treat the product with basic hygiene precautions. Clean with soap and water. Wear lightweight gloves, lab coat, and eye protection. Large leaks should be responded to by properly trained personnel.

Absorb with polypads or other absorbent material. Place in closed containers and seal.

SECTION 7. HANDLING AND STORAGE

HANDLING: As with all chemicals, avoid exposure. Wash thoroughly after handling this product.

Avoid splashing this product. Do not eat or drink while handling product.

STORAGE: Store in a cool, dry location, away from direct sunlight, and sources of intense heat.

Keep vials tightly closed when not in use.

SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

EYE: Wear splash goggles or safety glasses.

SKIN: Use compatible chemical resistant gloves.

RESPIRATORY: Respiratory protection is not generally needed, but when necessary, use

NIOSH/MSHA approved respirator.

Use with adequate ventilation. Safety shower and eyewash stations should be available near product use.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

WATER SOLUBILITY: Completely soluble.

APPEARANCE AND ODOR: This product is a clear, colorless, and odorless solution.

SECTION 10. STABILITY AND REACTIVITY

STABILITY: Stable.

DECOMPOSITION PRODUCTS: Carbon dioxide, carbon monoxide, and oxides of nitrogen.

INCOMPATIBLE MATERIALS: Strong acids, strong bases, strong oxidizers, water reactive materials.

CONDITIONS TO AVOID: Anything incompatible with water.

SECTION 11. TOXICOLOGICAL INFORMATION

EYES AND SKIN: This product may cause irritation if splashed in the eye or on skin. This product is not known to be skin or respiratory sensitizers.

CANCER AGENT: This product is not considered to be a cancer causing agent.

BIOLOGICAL EXPOSURE INDICES (BEIs): There are currently no Biological Exposure Indices (BEIs) determined for the components of this product.

SECTION 12. ECOLOGICAL INFORMATION

This product is relatively stable in ambient, environmental conditions. No unusual effects on plants, animals, or aquatic life are expected if this product is released into the environment.

SECTION 13. DISPOSAL CONSIDERATIONS

Waste must be disposed of in accordance with appropriate regulations. This product, if unaltered by use, may be disposed of by treatment as advised by your local hazardous waste regulatory authority.

SECTION 14. TRANSPORTATION INFORMATION

This material is not considered as dangerous goods.

SECTION 15. REGULATORY INFORMATION

US CLASSIFICATION AND LABEL TEXT

Caution! May cause skin and eye irritation. May cause discomfort if swallowed or inhaled. Do not taste or swallow. Do not get on skin, in eyes, or on clothes. Avoid breathing vapors or mists.

Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling. Wear gloves and goggles. FIRST AID: In case of contact, immediately flush skin or eyes with plenty of water. If inhaled, remove to fresh air. If ingested, do not induce vomiting. Get medical attention if necessary. IN CASE OF FIRE: Use water fog, dry chemical, CO₂, or "alcohol" foam. IN CASE OF SPILL: Absorb spill with polypads or other appropriate material and place in a suitable container.

US REGULATORY INFORMATION

SARA LISTED: No

TSCA INVENTORY ITEM: Yes

CANADA REGULATORY INFORMATION

DSL: Yes

SECTION 16. OTHER INFORMATION

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