



Material Safety Data Sheet

MSDS-001003

Revision: 1.2

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

A. PRODUCT IDENTIFIERS

PRODUCT NAME : **10x Fragmentation Buffer**
PRODUCT NUMBER : **100262, 100580**
SYNONYMS : **N/A**

B. DETAILS OF SUPPLIER OF THE SAFETY DATA SHEET

COMPANY : **Twist Bioscience**
455 Mission Bay Boulevard South
San Francisco, CA 94158

TELEPHONE : **(415) 216-8966**

EMERGENCY PHONE # : **In the event of chemical emergencies: Contact CHEMTREC 24 Hour Emergency Telephone:**
In US: 1-800-424-9300; International number (Outside the US): +1-703-741-5970

C. RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE

For research and development purposes only

SECTION 2: HAZARD IDENTIFICATION

THIS PRODUCT IS CONSIDERED NON-HAZARDOUS. Not a hazardous substance or mixture. Despite the classification of certain products/components as non-hazardous, we strongly recommend using prudent laboratory practices: avoiding unnecessary contact and use of personal protective equipment, which may include gloves, eye protection, and lab coats, during the use of any laboratory reagent. Twist Bioscience shall not be held liable for any damages resulting from handling or from contact with the above product.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients:

Chemical Name	CAS-No.	Concentration [%]
Magnesium chloride, hexahydrate	7791-18-6	$\geq 1 - < 5$
tetramethylammonium chloride	75-57-0	$\geq 1 - < 5$

SECTION 4: FIRST AID MEASURES

SKIN CONTACT: Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If symptoms persist, call a physician.

EYE CONTACT: Remove contact lenses. Protect unharmed eye. Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

INGESTION: If accidentally swallowed obtain immediate medical attention. Rinse mouth with water.

INHALATION: Move to fresh air. If symptoms persist, call a physician.

INJECTION: If accidentally injected, get medical attention.

NOTE TO PHYSICIAN: There is no specific antidote. Treat symptomatically and supportively as needed.

Supplier Information:

Twist Bioscience
455 Mission Bay Boulevard South, San Francisco, CA
94158 Email: customersupport@twistbioscience.com
Phone: 1-415-216-8966

Other Information:

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SECTION 5: FIRE FIGHTING MEASURES

Fire and Explosion Hazard: No hazardous combustion products are known

Fire Extinguishing Media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment

SECTION 6: ACCIDENTAL RELEASE MEASURES

OCCUPATIONAL SPILL: Wear appropriate protective clothing, safety glasses and chemically compatible gloves. Place contaminated material spillage in appropriate container for waste disposal according to site regulation. Wash contaminated clothing before reuse

REPORTABLE QUANTITY (RQ): Not Applicable

SECTION 7: HANDLING AND STORING

Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Dispose of rinse water in accordance with local and national regulations. Keep container tightly closed in a dry and well-ventilated place.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE CONTROLS: Use in a laboratory hood or other ventilated device. OSHA, ACGIH, or NIOSH has not established occupational exposure limits for this substance. Use good laboratory practices for handling chemical substances of unknown toxicity.

EYE PROTECTION: Wear safety goggles to prevent eye contact with this substance.

CLOTHING: Wear appropriate protective clothing (laboratory coat with long sleeves) and equipment to prevent skin contact with this material.

GLOVES: Wear appropriate protective gloves must be worn to prevent contact with this material.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

DESCRIPTION: Colorless, Odorless, Liquid

PH: 7.5

BOILING POINT: 100°C

DENSITY: 1.037 g/cm³

WATER SOLUBILITY: Soluble

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable under recommended storage conditions. Hazardous decomposition products formed under fire conditions. Keep away from oxidizing agents, and acidic or alkaline products.

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICITY: Not Available

CARCINOGEN STATUS: Not Available

SECTION 12: ECOLOGICAL INFORMATION

ENVIRONMENTAL IMPACT RATING (0-4): No data available

ACUTE AQUATIC TOXICITY: No data available

DEGRADABILITY: No data available

LOG BIOCONCENTRATION FACTOR (BCF): No data available

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SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of in accordance with federal, state and local environmental control regulations.

SECTION 14: TRANSPORT INFORMATION

Not regulated as a dangerous good. Ship as non-regulated material, no transportation restrictions apply

SECTION 15: REGULATORY INFORMATION

OSHA Hazards : Toxic by ingestion, Severe skin irritant, Severe eye irritant, Severe respiratory irritant.

SECTION 16: OTHER INFORMATION

POTENTIAL HEALTH EFFECTS:

SKIN CONTACT:	Short Term Exposure: Possible Irritant Long Term Exposure No information available
EYE CONTACT:	Short Term Exposure: Possible Irritant Long Term Exposure No information available
INGESTION:	Short Term Exposure: Possible Irritant Long Term Exposure No information available
INHALATION:	Short Term Exposure: Possible Irritant Long Term Exposure No information available
INJECTION:	Short Term Exposure: No information available Long Term Exposure No information available

THE AFOREMENTIONED INFORMATION IS BELIEVED TO BE CORRECT, BUT DOES NOT PURPORT TO BE ALL INCLUSIVE AND SHALL BE USED ONLY AS A GUIDE. TWIST BIOSCIENCE SHALL NOT BE HELD LIABLE FOR ANY DAMAGE RESULTING FROM HANDLING OR FROM CONTACT WITH THE ABOVE PRODUCT.

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