



Material Safety Data Sheet

1. Product and Company Identification

Product Name	BTXpress Cytoporation® Medium T-4
Part #	47-0003
Company	BTX – Harvard Apparatus 84 October Hill Rd • Holliston, MA 01746 USA Phone: 508.893.8999 • 800.272.2775 (Toll-Free) Website: www.btxonline.com
Emergency Contact	ChemTel Inc. 800-255-3924 (North America) +1-813-248-0585 (International) 1-300-954-583 (Australia) 0-800-591-6042 (Brazil) 000-800-100-4086 (India) 400-120-0751 (Peoples Republic of China) 800-099-0731 (Mexico)

2. Composition/Information on Ingredients

Formula	Proprietary. Cytoporation® Medium T-4 is a sterile, weakly buffered, aqueous solution of non-hazardous sugar alcohols and salts. A complete list of ingredients is on file with the FDA: reference Device Master File MAF-1508.
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3. Hazards Identification

OSHA Hazards	No OSHA Hazards
Potential Health Effects	
Inhalation	May be harmful if inhaled. May cause respiratory tract infection.
Skin	May cause skin irritation.
Eyes	May cause eye irritation.
Ingestion	May be harmful if swallowed.

4. First Aid Measures

Inhalation	Move person into fresh air. If not breathing, give artificial respiration.
Skin Contact	Wash affected area with soap and water.
Eye Contact	Flush eyes with copious amounts of water.
Ingestion	Rinse mouth with water. Do not give anything by mouth if unconscious.

5. Fire-Fighting Measures

Flammable Properties	
Flash Point	No Data Available
Ignition Temp	No Data Available
Suitable Extinguishing Media	Water spray, alcohol-resistant foam, dry chemical, carbon dioxide
Protective Equipment for Firefighters	Self-contained breathing apparatus when necessary

6. Accidental Release Measures

Avoid excess contact. Clean up with absorbent material and dispose in a suitable container. Clean spill areas with detergent and water.

7. Handling & Storage

Handling	Open containers and transfer product in a biosafety hood to maintain sterility.
Storage	Store at 2-8°C. Avoid prolonged exposure to light.

8. Exposure Controls/Personal Protection

Skin Protection	For prolonged or repeated contact, wear protective clothing and gloves.
Eye Protection	Safety Glasses

9. Physical & Chemical Properties

Appearance

Form	Aqueous liquid
Color	Clear

Safety Data

pH	7.2 +/- 0.2 at 25°C
Melting Point	No Data Available
Boiling Point	No Data Available
Flash Point	No Data Available
Water Solubility	Completely soluble

10. Stability & Reactivity

Storage Stability	Product is stable for at least 18 months from production date when stored under recommended conditions.
Hazardous Decomposition Products	Possible carbon and nitrogen oxides under fire conditions.

11. Toxicology Information

Acute Toxicity	No Data Available
Irritation and Corrosion	No Data Available
Sensitization	No Data Available
Chronic Exposure	No Data Available

This product is labeled as non-toxic based on the toxicity information available for its ingredients. However, the toxicological properties of the product have not been completely investigated.

12. Ecological Information

Elimination Information (Persistence and Degradability)	No Data Available
Ecotoxicity Effects	No Data Available
Other Ecological Information	No Data Available

13. Disposal Considerations

Observe all federal, state, and local environmental regulations. If contaminated, dispose as unused product.

14. Transport Information

DOT (US)	Not dangerous goods
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15. Regulatory Information

OSHA Hazards	No OSHA hazards
TSCA Status	All components of this product are on the TSCA Inventory list.
Canadian DSL Status	All components of this product are on the Canadian DSL list.
SARA 302 Components	This product does not contain any chemicals or components that are reportable under SARA Title III, Section 302.
SARA 313 Components	This product does not contain any chemicals or components that are reportable under SARA Title III, Section 313.
SARA 311/312 Hazards	No SARA Hazards

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. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. BTX – Harvard Apparatus shall not be held liable for any damage resulting from handling or from contact with the above product.