

Date Issued: August 15, 2000
 Supersedes Date: April 30, 1999

MATERIAL SAFETY DATA SHEET

IDENTIFICATION AND EMERGENCY INFORMATION				
Product Name	Tissue Freezing Medium			
Product Code (Catalog Number)	TFM-C (Catalog Number change only, previously H-TFM)			
Product Category (Chemical Name)	Frozen Embedding Matrix			
Product Appearance and Odor	Clear Liquid			
Emergency Notification	Chem-Tel 1-800-255-3924			
COMPONENTS AND HAZARD INFORMATION				
Component	CAS No.	%	OSHA TWA ppm mg/m3	OSHA STEL ppm mg/m3
This product has no hazards declarable under 29CFR, 1200.				
PSI Hazard Code	A2g			
PHYSICAL DATA				
THE FOLLOWING DATA ARE APPROXIMATE OR TYPICAL VALUES AND SHOULD NOT BE USED FOR PRECISE DESIGN PURPOSES.				
Boiling Range	Specific Gravity	Molecular Weight	Viscosity	
Percent Volatile by Volume	Vapor Pressure @20 C degrees	Vapor Density (Air = 1)	Pour, Congealing or Melting Point	
Solubility in Water @1 ATM and 25°C (77°F) soluble	Evaporation Rate @1 ATM and 25°C (77°F) (n-Butyl Acetate =1)		pH	
FIRE AND EXPLOSION HAZARD INFORMATION				
Flash Point (Minimum)	Autoignition Temperature	Test Mode	LEL	UEL
Handling Precautions				
Flammable or Explosive Limits (Approximate Percent by Volume in Air) This product is not a flammable solid.				

NA = not applicable

NL = not listed

NE = not established

NNR = not normally required

Extinguishing Media Water, carbon dioxide, dry chemical powder, foam. Use medium necessary for surrounding fire.
Fire Fighting Procedures Firefighters must wear self-contained breathing apparatus and fully protective equipment.
Decomposition Products Under Fire Condition
“Empty” Container Warning
Unusual Fire and Explosion Hazards NE
HEALTH AND HAZARD INFORMATION
Variability Among Individuals
Signs and symptoms of overexposure This product is only harmful under unusual conditions or overwhelming dosage.
Effects of Overexposure
Nature of Hazard and Toxicity Information
Pre-existing Medical Conditions which may be Aggravated by Exposure NE
Threshold Limit Value NE
Health Hazards NE
PRIMARY ROUTES OF ENTRY AND EMERGENCY AND FIRST AID PROCEDURES
Eye Contact Flush eyes with water for at least 15 minutes.
Skin Wash affected area with soap and water, then with water.
Inhalation Do not inhale.
Ingestion Do not ingest. SEEK MEDICAL TREATMENT IF DISCOMFORT PERSISTS.

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REACTIVITY		
Stability Stable	Incompatibility NE	Hazardous Decomposition Products
Conditions to Avoid NE	Hazardous Polymerization Will not occur	Materials to Avoid
ENVIRONMENTAL INFORMATION		
Steps to be Taken in Case Material is Released or Spilled Mop up spilled material, wash and ventilate the site.		
Disposal Flush waste materials down the drain or incinerate. Must comply with local, state, and federal regulations.		
Protective Gear		
Precautions to be taken in handling and storage Store materials at room temperature. Keep storage container tightly closed.		
THE FOLLOWING INFORMATION MAY BE USEFUL IN COMPLYING WITH VARIOUS STATE AND FEDERAL LAWS AND REGULATIONS UNDER VARIOUS ENVIRONMENTAL STATUTES.		
Reportable Quantity (RQ), EPA Regulation 40 CFR 302 (CERCLA Section 102)		
Threshold Planning Quantity (TPQ), EPA Regulation 40 CFR 355 (SARA Sections 301-304)		
Toxic Chemical Release Reporting, EPA Regulation 40 CFR 372 (SARA Section 313)		
Hazardous Chemical Reporting, EPA Regulation 40 CFR 370 (SARA Sections 311-312)		
PROTECTION AND PRECAUTIONS		
Ventilation Normal room ventilation		
Respiratory Protection None		
Protective Gloves Optional		
Eye Protection Optional		
Other Protective Equipment Safety shower, eye bath		

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TRANSPORTATION AND OSHA RELATED LABEL INFORMATION
Transportation Incident Information
U.S. DOT Hazardous Materials Shipping Description
OSHA Required Label Information

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