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MATERIAL SAFETY DATA SHEET

IDENTIFICATION AND EMERGENCY INFORMATION				
Product Name	Isoflex CX1000			
Product Code (Catalog Number)	CUT-LUBE: Included in maintenance/lubrication microtome kit			
Product Category (Chemical Name)	Mineral oil, Esteroil			
Product Appearance and Odor	Liquid, yellowish, ester characteristic			
Emergency Notification	Chem-Tel 1-800-255-3924			
COMPONENTS AND HAZARD INFORMATION				
Component	CAS No.	%	OSHA TWA	OSHA STEL
Esteroil Mineral oil Lithium soap				
PHYSICAL DATA				
THE FOLLOWING DATA ARE APPROXIMATE OR TYPICAL VALUES AND SHOULD NOT BE USED FOR PRECISE DESIGN PURPOSES.				
Boiling Range NL	Specific Gravity 0.93 g/cm ³	Molecular Weight	Viscosity NL	
Percent Volatile by Volume NL	Vapor Pressure @20 C degrees NL	Vapor Density (Air = 1) NL	Pour, Congealing or Melting Point	
Solubility in Water @1 ATM and 25°C (77°F) Insoluble		Evaporation Rate @1 ATM and 25°C (77°F) (n-Butyl Acetate =1) NL		pH NL
FIRE AND EXPLOSION HAZARD INFORMATION				
Flash Point (Minimum) > 200 °C	Autoignition Temperature NL	Test Mode DIN ISO 3016, 2592	LEL	UEL
Handling Precautions Avoid formation of aerosol.				
Flammable or Explosive Limits (Approximate Percent by Volume in Air) NL				

NA = not applicable

NL = not listed

NE = not established

NNR = not normally required

Extinguishing Media Water spray, Foam, Dry powder, CO ₂
Fire Fighting Procedures Standard procedures for chemical fires.
Decomposition Products Under Fire Condition NL
“Empty” Container Warning In accordance with applicable regulations and guidelines.
Unusual Fire and Explosion Hazards NL
HEALTH AND HAZARD INFORMATION
Variability Among Individuals
Signs and symptoms of overexposure NL
Effects of Overexposure Continuous exposure to skin may cause irritation or dermatitis.
Nature of Hazard and Toxicity Information NE
Pre-existing Medical Conditions which may be Aggravated by Exposure NE
Threshold Limit Value NL
Health Hazards None with normal use. Like products resulted in LD 50/rat > 2g/Kg.
PRIMARY ROUTES OF ENTRY AND EMERGENCY AND FIRST AID PROCEDURES
Eye Contact Rinse with plenty of water.
Skin Wash off with soap and plenty of water.
Inhalation NA
Ingestion Do not induce vomiting. Obtain medical attention.
SEEK MEDICAL TREATMENT IF DISCOMFORT PERSISTS.

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REACTIVITY		
Stability Do not heat above flash point.	Incompatibility Strong oxidizing agents	Hazardous Decomposition Products None under normal use.
Conditions to Avoid	Hazardous Polymerization	Materials to Avoid Strong oxidizing agents. Do not store with food.
ENVIRONMENTAL INFORMATION		
Steps to be Taken in Case Material is Released or Spilled Soak up using inert absorbent material. Dispose according to applicable regulations.		
Disposal Dispose according to applicable regulations.		
Protective Gear No special equipment.		
Precautions to be taken in handling and storage No special precautions.		
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) NL		
Threshold Planning Quantity (TPQ), EPA Regulation 40 CFR 355 (SARA Sections 301-304) NL		
Toxic Chemical Release Reporting, EPA Regulation 40 CFR 372 (SARA Section 313) NL		
Hazardous Chemical Reporting, EPA Regulation 40 CFR 370 (SARA Sections 311-312) NL		
PROTECTION AND PRECAUTIONS		
Ventilation No special requirements.		
Respiratory Protection No special equipment.		
Protective Gloves No special equipment.		
Eye Protection No special equipment.		
Other Protective Equipment		

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

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