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MATERIAL SAFETY DATA SHEET

IDENTIFICATION AND EMERGENCY INFORMATION				
Product Name	Isoflex LDS 18 Special A			
Product Code (Catalog Number)	CUT-LUBE: Included in maintenance/lubrication microtome kit			
Product Category (Chemical Name)	Lubricating oil			
Product Appearance and Odor	Paste, 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 0.90 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 2176	LEL	UEL
Handling Precautions No special precautions.				
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 MediaWater spray, Foam, Dry powder, CO₂**Fire Fighting Procedures**

Use water mist to cool closed containers.

Decomposition Products Under Fire Condition

Release of CO and hydrocarbons.

“Empty” Container Warning

No special label required

Unusual Fire and Explosion Hazards

Do not inhale fumes.

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

LD 50/oral/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	Incompatibility Strong oxidizing agents	Hazardous Decomposition Products NE
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 Use mechanical equipment when handling. Do not flush water into sanitary sewer system.		
Disposal Dispose according to applicable regulations.		
Protective Gear		
Precautions to be taken in handling and storage Store at room temperature.		
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
U.S. DOT Hazardous Materials Shipping Description
OSHA Required Label Information

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