



Date Issued: **November 20, 2008**

Supersedes Date: **May 6, 2000**

## MATERIAL SAFETY DATA SHEET

IDENTIFICATION AND EMERGENCY INFORMATION				
<b>Product Name</b>	Non-Trop Grease			
<b>Product Code (Catalog Number)</b>	CUT-LUBE: Included in maintenance/lubrication microtome kit			
<b>Product Category (Chemical Name)</b>	Paraffinic mineral oil, silicate			
<b>Product Appearance and Odor</b>	Paste, beige, light-brown, petroleum characteristic			
<b>Emergency Notification</b>	Chem-Tel 1-800-255-3924			
COMPONENTS AND HAZARD INFORMATION				
<b>Component</b>	<b>CAS No.</b>	<b>%</b>	<b>OSHA TWA</b>	<b>OSHA STEL</b>
Paraffinic mineral oil Synthetic hydrocarbon oil Silicate				
PHYSICAL DATA				
<b>THE FOLLOWING DATA ARE APPROXIMATE OR TYPICAL VALUES AND SHOULD NOT BE USED FOR PRECISE DESIGN PURPOSES.</b>				
<b>Boiling Range</b> NL	<b>Specific Gravity</b> 0.91 g/cm <sup>3</sup>	<b>Molecular Weight</b>	<b>Viscosity</b> NL	
<b>Percent Volatile by Volume</b> NL	<b>Vapor Pressure @20 C</b> degrees NL	<b>Vapor Density (Air = 1)</b> NL	<b>Pour, Congealing or Melting Point</b>	
<b>Solubility in Water @1 ATM and 25°C (77°F)</b> Insoluble		<b>Evaporation Rate @1 ATM and 25°C (77°F)</b> (n-Butyl Acetate =1) NL		<b>pH</b> NL
FIRE AND EXPLOSION HAZARD INFORMATION				
<b>Flash Point (Minimum)</b> > 200 °C	<b>Autoignition Temperature</b> NL	<b>Test Mode</b> DIN ISO 2167	<b>LEL</b>	<b>UEL</b>
<b>Handling Precautions</b> No special precautions.				
<b>Flammable or Explosive Limits (Approximate Percent by Volume in Air)</b> NL				

NA = not applicable

NL = not listed

NE = not established

NNR = not normally required

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

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REACTIVITY		
<b>Stability</b> NL	<b>Incompatibility</b> Strong oxidizing agents	<b>Hazardous Decomposition Products</b> NL
<b>Conditions to Avoid</b>	<b>Hazardous Polymerization</b>	<b>Materials to Avoid</b> Strong oxidizing agents. Do not store with food.
ENVIRONMENTAL INFORMATION		
<b>Steps to be Taken in Case Material is Released or Spilled</b> Use mechanical handling equipment.		
<b>Disposal</b> Dispose according to applicable regulations.		
<b>Protective Gear</b> No special equipment.		
<b>Precautions to be taken in handling and storage</b> No special precautions.		
<b>THE FOLLOWING INFORMATION MAY BE USEFUL IN COMPLYING WITH VARIOUS STATE AND FEDERAL LAWS AND REGULATIONS UNDER VARIOUS ENVIRONMENTAL STATUTES.</b>		
<b>Reportable Quantity (RQ), EPA Regulation 40 CFR 302 (CERCLA Section 102)</b> NL		
<b>Threshold Planning Quantity (TPQ), EPA Regulation 40 CFR 355 (SARA Sections 301-304)</b> NL		
<b>Toxic Chemical Release Reporting, EPA Regulation 40 CFR 372 (SARA Section 313)</b> NL		
<b>Hazardous Chemical Reporting, EPA Regulation 40 CFR 370 (SARA Sections 311-312)</b> NL		
PROTECTION AND PRECAUTIONS		
<b>Ventilation</b> No special requirements.		
<b>Respiratory Protection</b> No special equipment.		
<b>Protective Gloves</b> No special equipment.		
<b>Eye Protection</b> No special equipment.		
<b>Other Protective Equipment</b>		

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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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