



# TRIANGLE BIOMEDICAL SCIENCES, INC.

3014 CROASDAILE DRIVE • DURHAM, NORTH CAROLINA 27705-2507 • USA • 919.384.9393 • FAX 919.384.9595 • E-MAIL: tbs@trianglebiomedical.com

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## MATERIAL SAFETY DATA SHEET

IDENTIFICATION AND EMERGENCY INFORMATION				
<b>Product Name</b>	Ribbon Pro			
<b>Product Code (Catalog Number)</b>	31557, 31558			
<b>Product Category (Chemical Name)</b>	Paraffin Wax			
<b>Product Appearance and Odor</b>	opaque white solid, essentially odorless			
<b>Emergency Notification</b>	Chem-Tel 1-800-248-0585			
COMPONENTS AND HAZARD INFORMATION				
Component	CAS No.	%	OSHA TWA ppm mg/m <sup>3</sup>	OSHA STEL ppm mg/m <sup>3</sup>
Alpha-methyl styrene/vinyl toluene copolymer	009017270	<10	NE NE	NE NE
Paraffin waxes, petroleum hydrotreated	064742514	<90	NE NE	NE NE
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> NE	<b>Specific Gravity</b> NE	<b>Molecular Weight</b> NE	<b>Viscosity</b> NA	
<b>Percent Volatile by Volume</b> NE	<b>Vapor Pressure @20 C degrees</b> NE	<b>Vapor Density (Air = 1)</b> NE	<b>Pour, Congealing or Melting Point</b> 53 – 62°C	
<b>Solubility in Water @1 ATM and 25°C (77°F)</b> not soluble	<b>Evaporation Rate @1 ATM and 25°C (77°F) (n-Butyl Acetate =1)</b> NE		<b>pH</b>	
FIRE AND EXPLOSION HAZARD INFORMATION				
<b>Flash Point (Minimum)</b> > 400°F	<b>Autoignition Temperature</b> NE	<b>Test Mode</b> NA	<b>LEL</b> NE	<b>UEL</b> NE
<b>Handling Precautions</b>				
<b>Flammable or Explosive Limits (Approximate Percent by Volume in Air)</b>				
<b>Extinguishing Media</b> water, carbon dioxide, dry chemical powder, foam				

NA = not applicable

NL = not listed

NE = not established

NNR = not normally required

<b>Fire Fighting Procedures</b> Firefighters must wear self-contained breathing apparatus and fully protective equipment.		
<b>Decomposition Products Under Fire Condition</b>		
<b>“Empty” Container Warning</b>		
<b>Unusual Fire and Explosion Hazards</b>		
<b>HEALTH AND HAZARD INFORMATION</b>		
<b>Variability Among Individuals</b>		
<b>Signs and symptoms of overexposure</b> Chemical, physical and toxicological properties are not established for this material. Handle with the care required by good laboratory technique.		
<b>Effects of Overexposure</b>		
<b>Nature of Hazard and Toxicity Information</b>		
<b>Pre-existing Medical Conditions which may be Aggravated by Exposure</b> NE		
<b>Threshold Limit Value</b>		
<b>Health Hazards</b>		
<b>PRIMARY ROUTES OF ENTRY AND EMERGENCY AND FIRST AID PROCEDURES</b>		
<b>Eye Contact</b> Flush eyes with water for at least 15 minutes.		
<b>Skin</b> Wash area affected with copious amounts of H <sub>2</sub> O.		
<b>Inhalation</b> Remove to fresh air. Give oxygen or artificial respiration, as needed.		
<b>Ingestion</b> Call physician.		
<b>SEEK MEDICAL TREATMENT IF DISCOMFORT PERSISTS.</b>		
<b>REACTIVITY</b>		
<b>Stability</b> stable	<b>Incompatibility</b> NE	<b>Hazardous Decomposition Products</b> NE
<b>Conditions to Avoid</b> high temperature	<b>Hazardous Polymerization</b> will not occur	<b>Materials to Avoid</b>

<b>ENVIRONMENTAL INFORMATION</b>
<p><b>Steps to be Taken in Case Material is Released or Spilled</b> Wear self-contained breathing apparatus, rubber boots and gloves. Recover free wax and dispose in appropriate solid waste area. Add absorbent (sand, vermiculite, sawdust) to spill area, as wax fragments are a slip hazard. Collect absorbent and dispose in the same manner as recovered material. Wash and ventilate spill site after pickup is complete.</p>
<p><b>Disposal</b> Must comply with federal, state and local regulations.</p>
<p><b>Protective Gear</b></p>
<p><b>Precautions to be taken in handling and storage</b> Care must be taken when handling molten product to prevent burns and avoid breathing of vapors. Store at 25°C. Keep storage container tightly closed. Avoid contact with skin and eyes. Do not inhale. Wash thoroughly after handling.</p>
<p><b>THE FOLLOWING INFORMATION MAY BE USEFUL IN COMPLYING WITH VARIOUS STATE AND FEDERAL LAWS AND REGULATIONS UNDER VARIOUS ENVIRONMENTAL STATUTES.</b></p>
<p><b>Reportable Quantity (RQ), EPA Regulation 40 CFR 302 (CERCLA Section 102)</b> NL</p>
<p><b>Threshold Planning Quantity (TPQ), EPA Regulation 40 CFR 355 (SARA Sections 301-304)</b> NL</p>
<p><b>Toxic Chemical Release Reporting, EPA Regulation 40 CFR 372 (SARA Section 313)</b> NL</p>
<p><b>Hazardous Chemical Reporting, EPA Regulation 40 CFR 370 (SARA Sections 311-312)</b> NL</p>
<p><b>SPECIAL STATE NOTIFICATIONS</b></p>
<b>TRANSPORTATION AND OSHA RELATED LABEL INFORMATION</b>
<p><b>Transportation Incident Information</b></p>
<p><b>U.S. DOT Hazardous Materials Shipping Description</b></p>
<p><b>OSHA Required Label Information</b></p>

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