

<b>Material Safety Data Sheet</b>		Revision Date: July 17, 2007
Product:	Thermal Transfer Ribbon	

### 1. Chemical Product and Company Identification

<b>PRINTRONIX®</b>		<b>Model 8600</b>
Printronic Part Number:	203486-xxx, 203918-xxx, 750374-xxx and 750375-xxx	
Printronic Nederland BV, Subsidiary of Printronix Inc. Nieuweweg 283, P.O. Box 163 6600 AD Wijchen, The Netherlands Tel. (31) 24 6489489 Fax (31) 24 6489499		Printronic, Inc. P.O Box19559 Irvine, CA 92623-9559 Tel. (714) 368-2300 Fax (714) 368-2600

### 2. Composition / Information on Ingredients

Ingredient	CAS Number	Weight %	ACGIH TLV	PEL	STEL
Polyester film	25038-59-9	60% - 70%			
Carnuba Wax	8015-86-9	18% - 24%			
Wax	Trade Secret	5% - 10%			
Carbon Black	1333-86-4	2% - 5%	3.5	3.5	
Polymeric Resin	Trade Secret	2% - 5%			

### 3. Hazards Identification

<b>Emergency Overview</b>	When used under normal conditions and as recommended, the product should not present a health hazard. This product, however, does contain carbon black as a pigment in the ink coating.
<b>Hazardous Components</b>	Carbon Black was classified as an IARC 2B possible human carcinogen in 1996. This classification was made due to results of inhalation testing. Dermal and oral testing did not yield evidence of tumors during these tests. When used under normal and recommended conditions, the carbon black in this application will not be air born and subject to inhalation. This product should therefore present a minimal health risk.

### 4. First Aid Measures

<b>Eye contact</b>	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.
<b>Ingestion</b>	If material is swallowed, get immediate medical attention or advice. If choking, remove obstruction from passageway and seek immediate medical attention. DO NOT induce vomiting unless instructed to do so by medical personnel.
<b>Inhalation</b>	As supplied, product is a solid and would not in practice be inhaled. However, inhalation hazards become more acute if exposure to air born powder or dust is caused by excessive cutting or abrading. Cutting and abrading ribbon is rarely performed on thermal printers. If difficulty in breathing or respiratory irritation occurs, move person to fresh air.
<b>Skin Contact</b>	Not skin sensitive if used under normal conditions and as recommended.

5. Fire Fighting Measures	
<b>Auto-ignition Temperature</b>	No data available.
<b>Extinguishing Media</b>	Use alcohol foam, carbon dioxide, dry chemical powder or water spray when fighting fires involving this material.
<b>Fire Fighting Instructions</b>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
<b>Sensitivity to Mechanical Impact (Y/N)</b>	No.
<b>Sensitivity to Static Discharge</b>	Sensitivity to static discharge is not expected.
6. Accidental Release Measures	
<b>Clean-up Procedure</b>	Safely collect material and place in proper disposal container. Wash walking surface with detergent and water to reduce slipping hazard.
7. Handling and Storage	
<b>Handling</b>	As supplied this product is inert. Protective clothing and breathing apparatus should be utilized if the product is handled during excessive cutting or abrading.
<b>Storage</b>	Store in original container in dry location at temperatures between 5°C (41°F) and 40°C (104°F).
8. Exposure Controls / Personal Protection	
<b>Carbon Black</b>	OSHA TWA PEL = 3.5 mg/cu meter. ACGIH TWA TLV = 3.5 mg/cu meter.
9. Physical and Chemical Properties	
<b>Physical State</b>	Solid film; Wound on rolls
<b>Color/ Appearance</b>	Black
<b>Odor</b>	Paraffinic
<b>Boiling/Cond. Point</b>	Not Applicable
<b>Melting/Freezing Point</b>	235° C (455° F)(PET base film)
<b>Solubility</b>	Negligible in water (20° C)
<b>Percent Volatile</b>	Not Applicable
<b>Vapor Pressure</b>	Not Applicable
10. Stability and Reactivity	
<b>Hazardous Polymerization</b>	Will not occur.
<b>Reactivity</b>	Carbon dioxide, carbon monoxide, organic acids, aldehydes and alcohols are hazardous products that could be produced through thermal decomposition or combustion.
<b>Stability</b>	Stable.
11. Toxicological Information	
<b>Toxicological</b>	No acute or chronic toxicological effects are expected.
12. Ecological Information	
<b>Chemical Fate Information</b>	This product is not biodegradable.
<b>Eco-toxicological Information</b>	Aquatic toxicity is expected to be very low based on negligible water solubility of the film.
13. Disposal Considerations	
<b>Disposal Instructions</b>	As local regulations may vary; all waste must be disposed/recycled/reclaimed in accordance with federal, state and local environmental control regulations.

#### 14. Transport Information

<b>DOT Hazard Class</b>	Not regulated.
<b>DOT Label(s)</b>	None.
<b>DOT Shipping Name</b>	None.
<b>Packing Group</b>	None.
<b>Placards</b>	None.
<b>UN/NA Number</b>	None.

#### 15. Regulatory Information

<b>SARA (311, 312) Hazard Class</b>	None.
<b>SARA (313) Chemicals</b>	None known.
<b>SARA Section 302</b>	None found.
<b>WHIMS Hazard Class</b>	Non-Controlled.

#### 16. Other Information

<b>Additional Information</b>	These data are offered in good faith as typical values and not as a product specification. No warranty, either expressed or implied, is made. The recommended handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific content of intended use.
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