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## IBM 4245 General Purpose Ribbon

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Lexmark has determined that Material Safety Data Sheets are not required for printer ribbons. For customer convenience, Lexmark provides product information in this familiar format.

### Section 1 - Product and Company Identification

<b>Product Name:</b>	IBM 4245 General Purpose Ribbon	<b>Manufacturer:</b>	Lexmark International, Inc.
<b>Product ID:</b>	7034437		740 West New Circle Road
<b>Chemical Family:</b>	Printer ribbon		Lexington, KY 40550
<b>Application:</b>	IBM Printer Model 4245	<b>Information:</b>	1-859-232-3000
<b>Prepared By:</b>	Product Environmental Programs	<b>Emergency:</b>	<b>1-859-232-3333</b>

### Section 2 - Composition / Information on Ingredients

Ingredients	Percent (wt.)	CAS No.	OSHA PELS	ACGIH TLV
Fatty Acid	45-55	112-80-1	None	None
Triarylmethane Dyes	14-21	Trade Secret	None	None
Monoazo Dye	2-4	495-54-5	None	None
Diisodecyl Phthalate	4-7	68515-49-1	None	None
Fatty Acid Ester	12-17	68333-78-8	None	None
Carbon Black	7-8	1333-86-4	3.5 mg/m <sup>3</sup> TWA	3.5 mg/m <sup>3</sup> TWA

### Section 3 - Hazards Identification

<b>Hazard Information:</b>	Primary Route of Exposure: Skin contact
<b>Inhalation:</b>	No adverse effects known.
<b>Skin Contact:</b>	Prolonged staining of skin by ink may cause irritation or dermatitis in sensitive individuals. No adverse chronic effects known.
<b>Eye Contact:</b>	May cause irritation. No adverse chronic effects known.
<b>Ingestion:</b>	No adverse effects known.

### Section 4 - First Aid Measures

<b>Inhalation:</b>	No adverse effects known.
<b>Skin Contact:</b>	Wash with soap and water.
<b>Eye Contact:</b>	Flush immediately with plenty of water. Remove contact lenses and continue flushing for at least 15 minutes. If irritation develops and persists, seek medical attention.
<b>Ingestion:</b>	Wash mouth out with water. If ribbon ingested, seek medical attention.
<b>Aggravated Conditions:</b>	Individuals with skin disorders may experience an allergic reaction.

## **Section 5 - Fire Fighting Measures**

<b>Extinguishing Media:</b>	Water, dry chemical, foam Treat as an oil fire. Water is generally ineffective.
<b>Hazardous Combustion Products:</b>	Carbon monoxide, carbon dioxide, unidentified organics
<b>Special Exposure Hazards:</b>	None known
<b>Special Protective Equipment:</b>	Use a NIOSH approved self-contained breathing apparatus if a large number of ribbons are involved.

## **Section 6 - Accidental Release Measures**

<b>Personal Precautionary Measures:</b>	None required for intended use in printer.
<b>Procedure for Cleaning/Absorption:</b>	Collect and dispose of in normal trash. Wear gloves to minimize contact and prevent staining of skin.

## **Section 7 - Handling and Storage**

<b>Handling:</b>	No special handling required.
<b>Storage:</b>	Store at room temperature. Avoid excessive heat.

## **Section 8 - Exposure Controls / Personal Protection**

<b>Engineering Controls:</b>	None required
<b>Gloves:</b>	None required
<b>Skin Protection:</b>	None required
<b>Eyes:</b>	None required

## **Section 9 - Physical and Chemical Properties**

<b>Physical State:</b> Black ink on nylon substrate	<b>Melting Point:</b> Not applicable
<b>Odor:</b> Mild	<b>Specific Gravity:</b> Not applicable
<b>Solubility in Water:</b> Insoluble	

## **Section 10 - Stability and Reactivity**

<b>Chemical Stability:</b>	Stable
<b>Hazardous Polymerization:</b>	Will not occur
<b>Conditions to Avoid:</b>	None known
<b>Materials to Avoid:</b>	Strong acids, bases and oxidizers
<b>Hazardous Decomposition Products:</b>	None anticipated
<b>Additional Guidelines:</b>	None

## **Section 11 - Toxicological Information**

<b>Primary Routes of Exposure:</b>	Skin contact
<b>Acute Toxicity Oral Rat LD50 (mg/kg):</b>	Not determined
<b>Aggravated Conditions:</b>	Individuals with skin disorders may experience an allergic reaction.
<b>Carcinogenicity Comment:</b>	Neither this product nor any of its components present above 0.1% are listed by IARC, NTP, or OSHA as known carcinogens.

## **Section 12 - Ecological Information**

<b>Mobility:</b>	Not determined
<b>Persistence:</b>	Not determined
<b>Bioaccumulative:</b>	Not determined
<b>Other Information:</b>	None

## **Section 13 - Disposal Considerations**

### **Waste Disposal:**

This product is not a listed hazardous waste in accordance with Federal Regulation 40 CFR Part 261. If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal whether a material has been contaminated and should be classified as a hazardous waste. Disposal is subject to local, state and federal regulations.

## **Section 14 - Transport Information**

<b>DOT Status:</b>	Not classified as a hazardous material or substance under US DOT.		
<b>DOT Shipping Name:</b>	Not applicable	<b>DOT Reportable Quantity:</b>	Not applicable
<b>Hazard Class:</b>	Not applicable	<b>DOT Packing Group:</b>	Not applicable

## **Section 15 - Regulatory Information**

<b>TSCA (USA)</b>	All ingredients are listed on the Toxic Substances Control Act (TSCA) inventory, have been registered, or are exempt.
<b>SARA / EPCRA (USA):</b>	None of the ingredients in this product has a final reportable quantity (RQ) under Emergency Planning and Community Right-to Know Act (EPCRA)- Section 302: Extremely Hazardous Substances (EHS) or notification requirements for EHS under Section 304.
<b>California Proposition 65:</b>	This product contains no known materials at levels which the State of California has found to cause cancer, birth defects or other reproductive harm - California Proposition 65.
<b>DSL (Canada):</b>	All ingredients are listed on the Canadian Domestic Substances List (DSL), have been registered on the Non-Domestic Substances List (NDSL), or are exempt.
<b>WHMIS Hazard Class (Canada):</b>	Not a WHMIS controlled product.

## **Section 16 - Other Information**

**The following has been revised since the last issue of this MSDS:** No significant revisions to health and safety information.

**Additional Information:** None

Data are most current known to Lexmark at the time of preparation and are believed to be accurate. No warranty as to their accuracy or completeness is expressed or implied.

**\*\*\*END OF MSDS\*\*\***