



**MATERIAL SAFETY DATA SHEET**  
**LEXMARK 2300/2400 SERIES**  
**BLACK RE-INKING RIBBON:**  
**P/N 11A3540**

**Revised Date: 12/15/00**

Lexmark International, Inc.  
740 West New Circle Road  
Lexington, Kentucky 40550-1876 Information: 1-859-232-3000  
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**SECTION 1 - PRODUCT IDENTIFICATION**

**Name:** Lexmark 2300/2400 Black Re-Inking Ribbon  
**P/N:** 11A3540  
**Additional P/N:** 11A3550  
**Chemical Family:** Ribbon  
**Product Use:** Forms Printer 2380, 2381, 2390, 2391, 2480,2481, 2490, 2491

**SECTION 2 – COMPOSITION / INFORMATION ON INGREDIENTS**

<b>COMPONENT</b>	<b>PERCENT (wt.)</b>	<b>CAS #</b>	<b>OSHA PEL</b>	<b>ACGIH TLV</b>
Black Dye	<2	(1)	(2)	(2)
Solvent Violet 8	<2	52080-58-7	(2)	(2)
Fatty Acid	78-89	(1)	5mg/m <sup>3</sup>	5mg/m <sup>3</sup>
Nonyl Phenol	1-15	84852-15-3	(2)	(2)
Nylon Substrate	Not Applicable	32131-17-2	(2)	(2)

**Notes:** (1) Supplier's trade secret or patented molecule.  
(2) Specific workplace exposure limits have not been established

**SECTION 3 - HAZARDS IDENTIFICATION**

The following information is based on data obtained from testing of ink and on the characteristics of component chemicals:

**Primary Routes of Entry:** Skin contact

**Signs and Symptoms of Exposure:** Ink stains on skin, skin irritation.

**Medical Conditions Aggravated by Exposure:** None known at intended levels of use.

**Physical Hazards:** None known at intended levels of use.



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**POTENTIAL HEALTH EFFECTS:**

<b>Inhalation:</b>	<u>Short Term Exposure</u>	--	No acute effects known or expected.
	<u>Long Term Exposure</u>	--	No adverse chronic effects expected.
<b>Skin Contact:</b>	<u>Short Term Exposure</u>	--	May cause skin irritation in sensitive individuals.
	<u>Long Term Exposure</u>	--	No adverse chronic effects known or expected. One component, present at trace levels, is a skin sensitizer.
<b>Eye Contact:</b>	<u>Short Term Exposure</u>	--	No acute effects known or expected.
	<u>Long Term Exposure</u>	--	No adverse chronic effects known or expected.
<b>Ingestion:</b>	<u>Short Term Exposure</u>	--	No acute effects known or expected.
	<u>Long Term Exposure</u>	--	No adverse chronic effects expected.

**SECTION 4 - FIRST AID MEASURES**

**Inhalation:** No acute or chronic effects known or expected.

**Skin Contact:** Wash affected area with soap and water. Should irritation occur, seek medical attention.

**Eye Contact:** Flush immediately with plenty of water. Remove contact lenses and continue flushing for at least 15 minutes. Seek medical attention if irritation develops and persists.

**Ingestion:** Seek medical attention if ribbon is swallowed. Contact physician or poison center. Do not induce vomiting unless instructed to do so by a physician or poison center.

**SECTION 5 - FIRE FIGHTING MEASURES**

**Flash Point:** Not applicable

**Autoignition:** Not applicable

**Extinguishing Media:** CO<sub>2</sub>, dry chemical, or foam.

**Firefighting:** NIOSH approved self-contained breathing apparatus may be required. Treat as oil fire.

**Fire and Explosion Hazard:** No unusual fire and explosion hazards are known for this product.

**Hazardous Combustion Products:** Oxides of carbon.

**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

**Occupational Spill:** Not applicable for this type of product.

**SECTION 7 - HANDLING AND STORAGE**

**STORE IN A COOL DRY PLACE.**

**SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Ventilation:** None required for intended use in printer.

**Eye Protection:** None required for intended use in printer.

**Protective Clothing:** None required for intended use in printer.

**Gloves:** None required for intended use in printer.



**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

<b>Description:</b>	Black ink on nylon substrate with faint odor		
<b>Pressurized:</b>	No	<b>pH:</b>	Not Applicable
<b>Freezing Point:</b>	Not Applicable	<b>Specific Gravity:</b>	Not Applicable
<b>Melting Point:</b>	Not Applicable	<b>Water Solubility:</b>	Not Applicable
<b>Evaporation Rate (Butylacetate = 1)</b>	Not Applicable	<b>% Volatiles:</b>	Not Applicable
<b>Boiling Point:</b>	Not Applicable		

**SECTION 10 - STABILITY AND REACTIVITY**

**Stability:** Stable

**Conditions to Avoid:** None known.

**Incompatibilities:** None known.

**Hazardous Decomposition:** Oxides of carbon, acid gases, low molecular weight organics.

**Hazardous Polymerization:** This product will not polymerize.

**SECTION 11 - TOXICOLOGY INFORMATION**

**Acute Toxicity:** Not expected to be acutely toxic.

**Chronic Toxicity:** Not expected to be chronically toxic.

**SECTION 12 - ECOLOGICAL INFORMATION**

**Environmental impact rating (0-4):** Not available

**Acute Aquatic Toxicity:** Not available

**Degradability:** Not available

**Log Bioconcentration Factor (BCF):** Not available

**Log Octanol/Water Partition Coefficient:** Not available

**SECTION 13 - WASTE DISPOSAL INFORMATION**

This product is not a listed or hazardous waste in accordance with Federal Regulation 40 CFR Part 261 or the Code of California Regulations Title 22. 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 - TRANSPORTATION INFORMATION**

This product is not regulated as a hazardous material by the **DOT**.

#### **SECTION 15 - REGULATORY INFORMATION**

All ingredients are registered under the **Toxic Substances Control Act (TSCA)** or under polymer exemption.

One component, nonyl phenol, (CAS# 84852-15-3) requires export notification under the **Toxic Substances Control Act -TSCA 12(b)**.

All ingredients are registered or considered registered (polymers) under **European Inventory of Existing Commercial Chemical Substances (EINECS/ELINCS)**.

All ingredients are registered or considered registered (polymers) under **Canadian Domestic Substances List (DSL/NDSL)**.

All ingredients are listed in **Australian Inventory of Commercial Substances (AICS)** or registered in Australia.

This product contains trace quantities of aniline (CAS# 62-53-3) and Michler's ketone (90-94-8) materials known to the State of California to cause cancer – **California Proposition 65**.

#### **SECTION 16 - OTHER**

Disclaimer: 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.