



MATERIAL SAFETY DATA SHEET

RIBBON (BLACK, CYAN, MAGENTA, YELLOW, AND COLORCOAT)

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A-SP-ELMD054-AA-0

Rev B

SECTION 1 - IDENTIFICATION OF SUBSTANCE/COMPANY PREPARING INFORMATION

Product Name: Ribbon (Black, Cyan, Magenta, Yellow, and ColorCoat) **Part Numbers:** LF02X-KA, 36-41571-01; LF02X-KB, 36-41571-02; LF02X-KC, 36-41572-01

Distributor's Name: Digital Equipment Corporation, Maynard, MA USA

Emergency (U.S.) Phone Numbers: 800-228-5635, ext. 123
[+1] 612-221-3999, ext. 123 **Non-Emergency (U.S.) Phone Number:** (978) 496-9242

Use: Printer ribbon **Supersedes Date:** October 19, 1993
Preparation Date: December 22, 1997

SECTION 2 - COMPOSITION/INGREDIENTS

A nylon ribbon impregnated with ink (black, cyan, magenta, yellow, and colorcoat).

SECTION 3 - HAZARD IDENTIFICATION

The ribbon cartridge is classified as an article. Under normal conditions of use, no exposure from this product is expected. Most likely accidental route of exposure from this product is dermal or inhalation.

Primary Route of Entry - Contents of cartridge - Dermal, inhalation

SECTION 4 - FIRST-AID MEASURES

- If Inhaled** - Remove from exposure.
- If on Skin** - Wash skin with soap and water.
- If in Eyes** - Flush eyes with large quantities of water for at least 15 minutes. If irritation is present after washing, contact a physician.
- If Swallowed** - Dilute by drinking water.

SECTION 5 - FIRE-FIGHTING MEASURES

Special Fire-Fighting Procedure - None	Unusual Fire or Explosion Hazards - None
Extinguishing Media - Carbon dioxide, dry chemical, foam, water	Hazardous Combustion Products - Carbon monoxide, carbon dioxide, aldehydes, styrene

SECTION 6 - ACCIDENTAL RELEASE MEASURES

None

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SECTION 7 - HANDLING AND STORAGE

Engineer Control - Not needed Work Practices - None Additional Information - This product should not be handled or stored in a manner that permits the ink to dry out and the ribbon to break apart.	Procedure/Equipment - None Procedures for Leaks or Spills - Not applicable
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SECTION 8 - EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering Measures - None	Personal Protective Equipment - None
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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance - Solid film plus ink Odor and Odor Threshold - None pH - Not applicable Boiling Point - Not applicable Vapor Pressure - Not applicable Vapor Density - Not applicable Melting/Softening Point - Not applicable Specific Gravity - Not applicable Flammable Limits - Not applicable	Explosive Properties - None Partition Coefficient - Not applicable Oxidizing Properties - Not applicable Solubility in Water - Insoluble Percent Volatile - None Evaporation Rate - Not applicable Freezing Point - Not applicable Flash Point - Not applicable Auto-Ignition Temperature - Not applicable
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SECTION 10 - STABILITY AND REACTIVITY

Stability - Stable Hazardous Decomposition Products - Not available Incompatibility - Oxidizers	Hazardous Polymerization - None Conditions to Avoid - >48°C (>120°F)
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SECTION 11 - TOXICOLOGICAL INFORMATION

Hazard to Humans - None during normal use. Exposure to the ink on ribbon could occur during handling.

Animal Experiment (based on testing of ink) -

Acute - None

Chronic/Other - None

Additional Information - Contains hydrocarbon waxes and organic pigments. Ink is classified as Group 3 - not classifiable as to the carcinogenicity to humans.
IARC Monograph - The International Agency for Research on Cancer (IARC) has concluded that there is sufficient evidence of carcinogenicity in experimental animals from carbon black, which is contained in this product, and insufficient evidence of carcinogenicity in humans. The IARC categorized carbon black as a 2B - possible human carcinogen.

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SECTION 12 - ECOLOGICAL INFORMATION

None

SECTION 13 - DISPOSAL INFORMATION

Waste Disposal - Dispose of used product in accordance with applicable regulations.

SECTION 14 - TRANSPORTATION INFORMATION

Proper Shipping Name - None
Hazard Class - None
Identification Number - None
RQ - Not applicable
Packing Group - None
Page Number - None

SECTION 15 - REGULATORY INFORMATION

Ribbon not listed by California *Proposition 65*.
Ribbon not on OSHA or NTP carcinogen list.
All ingredients on U.S. TSCA inventory.
Not a WHMIS controlled product.
See local requirements.

SECTION 16 - OTHER INFORMATION

None