



MATERIAL SAFETY DATA SHEET

TONER CARTRIDGE
(BLACK)

Page 1 of 3

A-SP-ELMD077-AA-0

Rev A

SECTION 1 - IDENTIFICATION OF SUBSTANCE/COMPANY PREPARING INFORMATION

Product Name: Toner Cartridge (Black)

Part Number: LNC2X-AA

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

Emergency Phone Numbers:

Non-Emergency (U.S.) Phone Number:

North America 800-228-5635, ext. 123

(978) 496-9242

Worldwide [+1] 612-221-3999, ext. 123

Supersedes Date: None

Use: For LNC02 color laser printer

Preparation Date: September 24, 1998

SECTION 2 - COMPOSITION/INGREDIENTS

The toner cartridge is classified as an article. Ingredients listed are in the toner.

INGREDIENTS	CAS	%	ACGIH TLV	OSHA PEL
Polyester resin	41259-36-3	<79	NA	NA
Carbon black	1333-86-4	3-10	3.5 mg/m ³	3.5 mg/m ³
Polypropylene wax	9003-07-0	0.5-5	NA	NA
Organic boron compound	114803-11-1	0.1-3	NA	NA
Silica	68909-20-6	>3	NA	NA

SECTION 3 - HAZARD IDENTIFICATION (Toner)

Hazard to Humans - None during normal use.

Primary Route of Entry - Dermal and inhalation

SECTION 4 - FIRST-AID MEASURES (Toner)

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

Hazardous Combustion Products - Carbon monoxide, carbon dioxide

Extinguishing Media - Water, dry chemical, foam, carbon dioxide

Unusual Fire or Explosion Hazards - Toner material, like most organic materials in powder form, is capable of creating a dust explosion.

Special Fire-Fighting Procedure - None

MATERIAL SAFETY DATA SHEET

TONER CARTRIDGE
(BLACK)

Page 2 of 3

A-SP-ELMD077-AA-0

Rev A

SECTION 6 - ACCIDENTAL RELEASE MEASURES

No toner spillage occurs in normal operation or handling. Minimize dust generation during cleanup.

SECTION 7 - HANDLING AND STORAGE

Engineer Control - None

Storage Requirement - Store in dry warehouse at normal ambient temperatures.

Work Practices - None

Procedure/Equipment - None

Procedures for Leaks or Spills - If spilled, wet wipe or pick up by vacuum cleaner equipped with a hepa filter; remove residue with soap and water.

SECTION 8 - EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering Measures - None

Personal Protective Equipment - None

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES (Toner)

Appearance - Fine black powder

Odor and Odor Threshold - Slight plastic

pH - Not applicable

Boiling Point - Not applicable

Vapor Pressure - Not applicable

Vapor Density - Not applicable

Melting/Softening Point - 95° C-110° C (203° F-230° F)

Specific Gravity - 1.1

Flammable Limits - Not available

Explosive Properties - Not applicable

Partition Coefficient - Not applicable

Oxidizing Properties - Not applicable

Solubility in Water - Negligible

Percent Volatile - Not applicable

Evaporation Rate - Not applicable

Freezing Point - Not applicable

Flash Point - Not available

Auto-Ignition Temperature - Not available

SECTION 10 - STABILITY AND REACTIVITY (Toner)

Stability - Stable

Hazardous Decomposition Products - Carbon monoxide, carbon dioxide

Hazardous Polymerization - Will not occur

Conditions to avoid - Heat, flame, fire

Incompatibility - Strong oxidizing agents

SECTION 11 - TOXICOLOGICAL INFORMATION (Toner)

Animal Experiment

Acute - No data; not expected to be acutely toxic, but may cause eye irritation.

Chronic/Other - Based on animal experiments, chronic exposure at high doses of toner may cause respiratory tract irritation and lung fibrosis.

Additional Information - Not mutagenic in Ames test.

The ACGIH TLV and OSHA PEL for carbon black is 3.5 mg/m³. *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.

MATERIAL SAFETY DATA SHEET

TONER CARTRIDGE
(BLACK)

Page 3 of 3

A-SP-ELMD077-AA-0

Rev A

SECTION 12 - ECOLOGICAL INFORMATION

None

SECTION 13 - DISPOSAL INFORMATION

Waste Disposal - Dispose of used product in accordance with applicable regulations. Do not incinerate.

SECTION 14 - TRANSPORTATION INFORMATION

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

SECTION 15 - REGULATORY INFORMATION

Toner ingredients not listed by California *Proposition 65*.
Toner ingredients not on the IARC, OSHA, or NTP carcinogen list.
Carbon black is listed by IARC as a 2B carcinogen.
All ingredients are on U.S. TSCA inventory.
Not listed on SARA Title III.
Not a WHMIS controlled product.
See local requirements.

SECTION 16 - OTHER INFORMATION

Disclaimer: Data is the most current known to Digital Equipment Corporation at the time of preparation and is believed to be accurate. No warranty as to its accuracy or completeness is expressed or implied.