



MATERIAL SAFETY DATA SHEET

TONER CARTRIDGE

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A-SP-ELMD006-AA-0

Rev C

SECTION 1 - IDENTIFICATION OF SUBSTANCE/COMPANY PREPARING INFORMATION

Product Name: Toner Cartridge **Part Numbers:** LN03X-AC, 22-00062-01;
LN03X-TA, 22-00062-02

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

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

Use: LN03 laser printers **Supersedes Date:** July 20, 1998
Preparation Date: December 15, 1998

SECTION 2 - COMPOSITION/INGREDIENTS

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

INGREDIENTS	CAS	%	ACGIH TLV	OSHA PEL
Polypropylene	9003-07-0	<5	NA	NA
Carbon Black	1333-86-6	5-10	3.5 mg/m ³	3.5 mg/m ³
Styrene Acrylic Resin	26655-10-7	80-85	NA	NA
Pigment	400-21-2	2-9	NA	NA
Silica	7631-86-9	>1	NA	NA
Dye	31714-55-3	>5	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

Special Fire-Fighting Procedure - None
Unusual Fire or Explosion Hazards - Dust may be explosive.

Extinguishing Media - Water, dry chemical, foam
Hazardous Combustion Products - Carbon monoxide, carbon dioxide

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Minimize dust during clean up.

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SECTION 7 - HANDLING AND STORAGE

Engineer Control - None

Work Practices - None

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

Procedure/Equipment - None

Procedures for Leaks or Spills - If spilled, sweep up or pick up by vacuum cleaner (rated for toner extraction); 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

Appearance: Fine black powder in cartridge.

Odor and Odor Threshold: Faint

PH: Not applicable

Boiling Point: Not applicable

Vapor Pressure: Not applicable

Vapor Density: Not applicable

Melting/Softening Point: 130° C-160° C (266° F-320° F)

Specific Gravity: 1.98

Flammable Limits: None

Explosive Properties: Not applicable

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 available

Auto-Ignition Temperature: Not applicable

SECTION 10 - STABILITY AND REACTIVITY

Stability - Stable

Hazardous Decomposition Products - Carbon monoxide, carbon dioxide

Hazardous Polymerization - Will not occur.

Conditions to Avoid - Heat, flame, fire

Incompatibility - None

SECTION 11 - TOXICOLOGICAL INFORMATION (Toner)

Animal Experiment

Acute - Limited data; not acutely toxic by oral route (LD₅₀ >5 gm/kg) or dermal route (LD₅₀ >2 gm/.kg.). Not a skin or eye irritant.

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

Additional Information - Not mutagenic in Ames test.

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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 - None

Identification Number - None

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, except for carbon black (which is listed on the 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.