



MATERIAL SAFETY DATA SHEET

TONER

Page 1 of 3

A-SP-ELMD075-AA-0

Rev B

SECTION 1 - IDENTIFICATION OF SUBSTANCE/COMPANY PREPARING INFORMATION

Product Name: Toner **Part Number:** LN40X-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: April 30, 1998

Use: For LN40 printer **Preparation Date:** July 20, 1998

SECTION 2 - COMPOSITION/INGREDIENTS

INGREDIENTS	CAS	%	ACGIH TLV	OSHA PEL
Polyester Resin	Confidential	Confidential	No	No
Styrene Acrylic Polymer	26655-10-7	Confidential	No	No
Carbon Black	1333-86-4	4	3.5 mg/m ³	No
Carnauba Wax	8015-86-9	Confidential	No	No
Dye	31714-55-3	1	No	No
Silicon Compound	7631-86-9	0.6	No	No
Silicon Compound (TSCA Number)	60842-32-2 (68611-44-9)	0.1	No	No

SECTION 3 - HAZARD IDENTIFICATION

Hazard to Humans - None during normal use.
 Primary Route of Entry - Dermal or 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

Hazardous Combustion Products - Carbon monoxide, carbon dioxide

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

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

Special Fire-Fighting Procedure - None

MATERIAL SAFETY DATA SHEET

TONER

Page 2 of 3

A-SP-ELMD075-AA-0

Rev B

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 a 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

Appearance - Black

Odor and Odor Threshold - Slight

pH - Not applicable

Boiling Point - Not applicable

Vapor Pressure - Not applicable

Vapor Density - Not applicable

Melting/Softening Point - Unknown

Specific Gravity - 0.31

Flammable Limits - Not available

Explosive Properties - Not applicable

Partition Coefficient - Not applicable

Oxidizing Properties - Not applicable

Solubility in Water - Negligible

Percent Volatile - None

Evaporation Rate - Not applicable

Freezing Point - Not applicable

Flash Point - Not available

Auto-Ignition Temperature - Not available

SECTION 10 - STABILITY AND REACTIVITY

Stability - Stable

Hazardous Decomposition Products - Carbon monoxide, carbon dioxide, aldehydes, ketones

Hazardous Polymerization - None

Conditions to Avoid - Heat, flame, fire

Incompatibility - Not available

SECTION 11 - TOXICOLOGICAL INFORMATION

Animal Experiment (based on testing of toner) -

Acute - The oral lethal dose is greater than 5 gm/kg body weight. Not a skin irritant.

Chronic/Other - Not active in Ames test. Long-term inhalation during animal testing of the toner did not show a carcinogenic response.

Additional Information - 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 classifies carbon black as a 2B - possible human carcinogen.

SECTION 12 - ECOLOGICAL INFORMATION

MATERIAL SAFETY DATA SHEET

TONER

Page 3 of 3

A-SP-ELMD075-AA-0

Rev B

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 - None

Page Number - None

SECTION 15 - REGULATORY INFORMATION

Contains carbon black, which is listed by California *Proposition 65* as a chemical known to cause cancer.

The toner and all ingredients except carbon black are not on the IARC, OSHA, or NTP carcinogen list. Toner contains carbon black which IARC classifies as a 2B - possible human carcinogen.

All ingredients are on U.S. TSCA inventory.

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.