



# MATERIAL SAFETY DATA SHEET

EP-S TONER CARTRIDGE Page 1 of 3 A-SP-ELMD014-AA-0 Rev D

## SECTION 1 - IDENTIFICATION OF SUBSTANCE/COMPANY PREPARING INFORMATION

**Product Name:** EP-S Toner Cartridge **Part Number:** LNXX-AC, 22-00580-01  
**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:** July 11, 1995  
**Use:** For DEClaser 2000/2200 printers **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
Styrene acrylate copolymer	25767-47-9	55-70	10 mg/m <sup>3</sup>	15 mg/m <sup>3</sup>
Iron oxide	1317-61-9	30-40	10 mg/m <sup>3</sup>	15 mg/m <sup>3</sup>

## SECTION 3 - HAZARD IDENTIFICATION (Toner)

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

Extinguishing Media - Water, dry chemical, foam, carbon dioxide  
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  
Special Fire-Fighting Procedure - None

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

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

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## SECTION 7 - HANDLING AND STORAGE

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Engineer Control - None	Procedure/Equipment - None
Storage Requirement - Store in a dry warehouse at normal ambient temperatures.	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.
Work Practices - None	

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## SECTION 8 - EXPOSURE CONTROL/PERSONAL PROTECTION

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Engineering Measures - None	Personal Protective Equipment - None
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## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES (Toner)

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Appearance - Fine black powder	Explosive Properties - Not applicable
Odor and Odor Threshold - Faint plastic odor	Partition Coefficient - Not applicable
pH - Not applicable	Oxidizing Properties - Not applicable
Boiling Point - Not applicable	Solubility in Water - Negligible
Vapor Pressure - Not applicable	Percent Volatile - Not applicable
Vapor Density - Not applicable	Evaporation Rate - Not applicable
Melting/Softening Point - 100° C-150° C (212° F-302° F)	Freezing Point - Not applicable
Specific Gravity - 1.4 - 1.6	Flash Point - Not available
Flammable Limits - Not available	Auto-Ignition Temperature - Not available

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## SECTION 10 - STABILITY AND REACTIVITY (Toner)

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Stability - Stable	Hazardous Polymerization - Will not occur
Hazardous Decomposition Products - Carbon monoxide, carbon dioxide	Conditions to Avoid - Heat, flame, fire
	Incompatibility - Strong oxidizing agents

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## SECTION 11 - TOXICOLOGICAL INFORMATION (Toner)

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### Animal Experiment (based on testing of toner) -

**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.

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## SECTION 12 - ECOLOGICAL INFORMATION

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None

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## SECTION 13 - DISPOSAL INFORMATION

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

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## SECTION 14 - TRANSPORTATION INFORMATION

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Proper Shipping Name - Magnetized Material (64 or more cartridges)

Hazard Class - 9

Identification Number - UN2807

RQ - Not applicable

Packing Group - Not applicable

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## SECTION 15 - REGULATORY INFORMATION

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Toner ingredients not listed by California *Proposition 65*.

Toner ingredients not on the IARC, OSHA, or NTP carcinogen list.

All ingredients are on U.S. TSCA inventory.

Chemicals listed on SARA Title III.

Chromium (+3) and compounds: 2.0 wt % (maximum)

(As chromium metal: 0.5 wt % [maximum])

Not a WHMIS controlled product.

See local requirements.

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## SECTION 16 - OTHER INFORMATION

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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.