



Series 21 Return Program Cartridge, Tri-Color

Section 1 - Product and Company Information

Printer Family: Dell V313, V313w, V515w, V715w, P513w, P713w Printer

Description: Series 21 Return Program Cartridge, Tri-Color
Part Numbers: Y499D, U317R

Information: 1-800-WWW-DELL
Emergency: 1-866-473-5030
Prepared by: Product Environmental Programs

Manufacturer: Dell Computer Corporation
 One Dell Way
 Round Rock, TX, USA 78682

Section 2 - Composition / Information on Ingredients

Ingredients	Percent (wt.)	CAS No.	OSHA PEL	ACGIH TLV
Cyan Dye NJTSRN 80100451-5007	1-5	Trade Secret	None	None
Magenta Dyes NJTSRN 80100451-5005 NJTSRN 80100451-5048	1-5	Trade Secret	None	None
Yellow Dyes NJTSRN 80100451-5050 NJTSRN 80100451-5059	1-5	Trade Secret	None	None
Water Soluble Organic Solvent NJTSRN 80100451-5051	3-7	Trade Secret	None	None
Water Soluble Organic Solvent NJTSRN 80100451-5055	3-7	Trade Secret	None	None
Water Soluble Organic Solvent NJTSRN 80100451-5054	1-5	Trade Secret	None	None
Water Soluble Organic Solvent NJTSRN 80100451-5052	1-5	Trade Secret	None	None
Water	70-85	7732-18-5	None	None

Section 3 - Hazards Identification

The following information is based on testing of the product as a whole and/or characteristics of components.

Hazard Information: Primary Routes of Exposure: Skin contact, ingestion

Inhalation: If ink mist is inhaled, respiratory tract irritation may occur. Exposure not probable with intended use. No adverse chronic effects known at intended level of use.

Skin Contact: Not an irritant. Exposure not probable with intended use. Not a dermal sensitizer.

Eye Contact: Not an eye irritant. Exposure not probable with intended use.

Ingestion: Low acute oral toxicity. Exposure not probable with intended use.

Section 4 - First Aid Measures

Inhalation: If symptoms, such as shortness of breath or persistent coughing are experienced, remove source of contamination and move individual to fresh air. If symptoms persist, seek medical attention.

Skin Contact: Wash with soap and water. Should irritation occur, seek medical attention.

Eye Contact: Flush immediately with plenty of water. Remove contact lenses and continue flushing for at least 15 minutes. If irritation develops and persists, seek medical attention.

Ingestion: Immediately wash mouth out with plenty of water. Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person.

Aggravated Conditions: None known.

Notes to Physician: No specific antidote.

Section 5 - Fire Fighting Measures

Flash Point/Range: Not applicable

Autoignition Temperature: Not determined

Flammable Limits in Air UEL: Not determined

Flammable Limits in Air LEL: Not determined

Extinguishing Media: Carbon dioxide, water spray or fog, dry chemical or foam

Hazardous Combustion Products: Carbon monoxide, carbon dioxide, unidentified organics

Special Exposure Hazards: None known

Special Protective Equipment: NIOSH approved self contained breathing apparatus may be required if a large number of cartridges are involved.

NFPA Rating: Health: 1 Flammability: 1 Reactivity: 0

HMS Classification: Health: 1 Flammability: 1 Reactivity: 0

Section 6 - Accidental Release Measures

Personal Precautionary Measures: None required for intended use in printer

Environmental Precautionary: Unless specifically permitted for disposal, keep waste out of sewers, watersheds, and waterways.

Procedure for Cleaning/Absorption: Absorb small spills with cloth or paper towels or other suitable material. Place in small container for disposal. For large spills, dike around spill with absorbent material. Wash spill site with soap and water after material pickup is complete. Disposal is subject to federal, state, local, or provincial regulations.

Section 7 - Handling and Storage

Handling: To avoid damage to cartridge and accidental contact with ink, keep out of reach of children.

Storage: Store in a cool, dry place.

Section 8 - Exposure Controls and Personal Protection

Engineering Controls: None required.

Respiratory Protection: None required for intended use in printer.

Gloves: None required for intended use in printer.

Skin Protection: None required for intended use in printer.

Eyes: None required for intended use in printer.

Section 9 - Physical and Chemical Properties

Physical State:	Cartridge contains liquid ink	Pressurized:	No
Color:	Cyan, Magenta, Yellow	pH:	7.0-8.5
Odor:	Faint	Specific Gravity:	Approx. 1.0
Solubility in Water:	Fully miscible		

Section 10 - Stability and Reactivity

Chemical Stability: Stable

Hazardous Polymerization: Will not occur

Conditions to Avoid: None known

Materials to Avoid: None known

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, unidentified organics

Additional Guidelines: None

Section 11 - Toxicological Information

Primary Routes of Exposure: Ingestion, skin contact.

Ingestion: Low acute oral toxicity. Exposure not probable with intended use.

Acute Toxicity Oral Rat LD50 (mg/kg): >2000

Inhalation: Low acute inhalation toxicity.

Aggravated Conditions: None known

Carcinogenicity Comment: Neither this product nor any of its components presents above 0.1% are listed by IARC, NTP, or OSHA as known carcinogens. Ink is negative in the Ames Assay for mutagenicity.

Section 12 - Ecological Information

Mobility:	Not determined
Persistence:	Not determined
Bioaccumulative:	Not determined
Other Information:	No significant toxicity to wastewater treatment organisms. Aerobic HA-50 Bacterial Toxicity Test: EC10 and EC50 >100 mg/l.

Section 13 - Disposal Considerations

Waste Disposal:	This product is not a listed hazardous waste in accordance with Federal Regulation 40 CFR Part 261. If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal whether a material has been contaminated and should be classified as a hazardous waste. Disposal is subject to local, state and federal regulations.
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Section 14 - Transportation Information

DOT Status:	Not classified as hazardous material or substance under US DOT.		
DOT Shipping Name:	Not applicable	DOT Reportable Quantity:	Not applicable
Hazard Class:	Not applicable	DOT Packing Group:	Not applicable

Section 15 - Regulatory Information

TSCA (USA)	All ingredients are listed on the Toxic Substances Control Act (TSCA) Inventory, have been registered, or are exempt.
SARA/EPCRA (USA)	None of the ingredients in this product has a final reportable quantity (RQ) under Emergency Planning and Community Right-to-Know Act (EPCRA)- Section 302: Extremely Hazardous Substances (EHS) or notification requirements for EHS under Section 304.
California Proposition 65	This product contains no known materials at levels which the State of California has found to cause cancer, birth defects or other reproductive harm - California Proposition 65.
DSL (Canada)	All ingredients are listed on the Canadian Domestic Substances List (DSL), have been registered on the Non-Domestic Substances List (NDSL), or are exempt.
AICS (Australia):	All ingredients are listed in Australian inventory (AICS), or are exempt.
EINECS (Europe)	All ingredients are listed on the European Inventory of Existing Commercial Substances (EINECS), have been registered on the European List of New Chemical Substances (ELINCS), or are exempt.
ENCS (Japan)	All ingredients are listed on the Japanese Existing and New Chemical Substances (ENCS) list, have been registered, or are exempt.
PICCS (Philippines)	All ingredients are listed on the Philippine Inventory (PICCS) or are exempt.
WHMIS Hazard Class (Canada)	Not a WHMIS controlled product.

Section 16 - Other Information

**The following has been revised
since the last issue of this MSDS:** New

Additional Information: None

Data are most current known to Dell at the time of preparation and are believed to be accurate. No warranty as to their accuracy or completeness is expressed or implied.

*****END OF MSDS*****