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MATERIAL SAFETY DATA SHEET

MSDS-2420

HP P/N 51606A
P/N 51606B
P/N 51606C
P/N 51606R
P/N 51606Y

CIC MSDS #2420
HP FIRST #4400

Product Name: Print Cartridges for
PaintJet Printers

HP Product Numbers:	51606A (black)	51606C (cyan*, magenta** and yellow)
	51606B (cyan*)	
	51606R (magenta**)	
	51606Y (yellow)	* blue ** red

-----1. GENERAL -----

Manufacturer's Name: Hewlett-Packard Company
16399 W. Bernardo Drive
San Diego, CA 92127-1899

Emergency Phone Number for Ingestion: Call local Poison Control
Center

Backup Emergency Phone Number and Product Information: (619)487-4100

Date Prepared: October 7, 1991 Prepared By: David W. Brooks

NOTE: All data presented below refer to the ink in above
products. Print cartridges are exempted as articles from
the OSHA Communication Standard. This MSDS is made avail-
able by Hewlett-Packard as a service to its customers.

-----2. INGREDIENTS (% wt/wt) -----

Diethylene Glycol <60% CAS # 111-46-6 (No workplace exposure limits)

Various Dyes <6.3% - Identity of (No workplace exposure limits
dyes held as a trade secret defined for any dye)

Tetramethylammonium <1.6% CAS # 75-57-0 (No workplace exposure limits)
(yellow and black inks only)

Balance is water

Note: If (R*) appears in this document, it represents "Registered
Trademark".

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-----3. PHYSICAL AND CHEMICAL CHARACTERISTICS -----

Boiling Point: 120 DEG. C*

Vapor Pressure: 15 mm Hg at 20 DEG. C*

Specific Gravity: 1.09

Vapor Density: 3.0*

Solubility in Water: Completely Miscible

Freezing Point: -40 DEG. C*

Appearance and Odor: Colored liquid, practically odorless

* estimate

-----4. FIRE AND EXPLOSION HAZARD DATA -----

Flash Point: >140 DEG. C*

Autoignition Temp.: >230 DEG. C*

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

Special Firefighting Procedures: None

-----5. REACTIVITY DATA -----

Stability (Conditions to Avoid): Stable under normal storage conditions

Incompatibility (Materials to Avoid): None

Hazardous Decomposition Products: None

Hazardous Polymerization: Will not occur

-----6. HEALTH HAZARD DATA -----

Routes of Entry: Skin and ingestion. Inhalation not a route of entry.

Acute Health Hazards:

- Oral - cyan, magenta and yellow inks LD50 >5000 mg/kg
- black ink LD50 = 3200 mg/kg
- Dermal - all inks LD50 > 2000 mg/kg

Skin Irritation: All inks non-irritating

Eye Irritation: All inks non-irritating

Mutagenicity: All inks found to be nonmutagenic in the Ames test.

Carcinogenicity: No components are listed carcinogens in the NTP Annual Report or found to be carcinogenic by IARC or OSHA.

*estimate

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-----7. FIRST AID -----

Signs and Symptoms of Exposure: Dyes in ink make exposure easy to detect. Symptoms of exposure are described below.

Eyes: Contact with eyes may cause irritation. Flush with large amounts of warm water for at least 15 minutes.

Skin: None of the inks are toxic by skin contact. Contact with skin may cause irritation. Wash affected area with soap and water.

Oral: Ingestion of ink may result in gastric disturbances. Dilute with water and immediately induce vomiting. Get medical attention.

-----8. PRECAUTIONS FOR SAFE HANDLING AND USE -----

Handling and Storage: Keep out of the reach of children. Avoid contact between the gold cartridge face and eyes, skin and clothing. Rapid removal of ink with soap and water from skin prevents irritation and staining. The ink will come out of clothing by either a) soaking for 24 hours in plain water or b) washing several times. Drycleaning solvents are not effective in removing ink.

Leaks: Use absorbent towel to wipe up ink. Rinse area with damp cloth to remove remaining traces of ink.

Disposal of Used Print Cartridges: Dispose of in accordance with all applicable federal, state and local laws.

-----9. CONTROL MEASURES -----

No special control measures are required when using print cartridges.

-----10. REGULATORY INFORMATION (Not meant to be all-inclusive) -----

Toxic Substances Control Act - all components listed in TSCA Inventory or exempted under 40 CFR 723.50

SARA 313 - pens are exempted as articles
DOT/IATA - pens are not regulated by DOT 49 CFR or IATA
California Proposition 65 - no listed chemicals
Canadian Ingredient Disclosure List - no listed chemicals
Massachusetts Substance List - no listed chemicals
New Jersey Right to Know List - no listed chemicals
Pennsylvania Hazardous Substance List - diethylene glycol

DISCLAIMER: This Material Safety Data Sheet is offered without charge to the customers of Hewlett-Packard. Data is the most current known to Hewlett-Packard at the time of preparation and is believed to be accurate.
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