

## **1.** Chemical Product and Company Identification

Identification of the preparation	C9412A
Use of the preparation	Inkjet printing
Manufacturer information	Hewlett-Packard Company 1000 NE Circle Boulevard Corvallis, OR 97330-4239 US
Hewlett-Packard health effect	s line
(Toll-free within the US)	1-800-457-4209
(Direct)	1-503-494-7199
General information telephone	e number
HP Customer Care Line	1-800-474-6836
(Toll-free)	1-800-474-6836
(Direct)	1-208-323-2551
Date prepared	May 08, 2007
MSDS number	170355

## 2. Composition / Information on Ingredients

Component/substance	CAS num	ber	% by weight
Water	7732-18-5		> 70
2-pyrrolidone	616-45-5		< 20
Ethyl alkyldiol	Proprietary	Y	< 5
1,5-pentanediol	111-29-5		< 5
Composition comments	This ink supply contains an aque This product has been evaluated Communication Standard).		ed in 29 CFR 1910.1200 (Hazard
. Hazards Identification			
Emergency overview	Contact with skin and eyes may result in irritation. Ingestion may result in nausea, vomiting and diarrhea.		
Acute health effects	Any potential hazards are presur	med to be due to expo	osure to the components.
Skin contact			
	<i>1,5-pentanediol</i> Contact with skin may result in i	rritation.	
	<i>2-pyrrolidone</i> Contact with skin may result in i	rritation.	
	<i>Ethyl alkyldiol</i> Contact with skin may result in r	mild irritation.	
Eye contact			
	<i>1,5-pentanediol</i> Contact with eyes may result in	irritation.	
	<i>2-pyrrolidone</i> Contact with eyes may result in	irritation.	
	<i>Ethyl alkyldiol</i> Contact with eyes may result in		



Inhalation	
	<i>2-pyrrolidone</i> Inhalation may result in respiratory irritation.
Ingestion	
	<i>2-pyrrolidone</i> Ingestion may result in nausea, vomiting and diarrhea.
Potential health effects	
Routes of exposure	Potential routes of overexposure to this product are skin and eye contact
	Inhalation of vapor and ingestion are not expected to be significant routes of exposure for this product under normal use conditions.
	Complete toxicity data are not available for this specific formulation
Chronic health effects	None known.
Carcinogenicity	None of the components present in this formulation at concentrations equal to or greater than 0.1% are listed by EU, MAK, IARC, NTP or OSHA.
4. First Aid Measures	
First aid procedures	
Skin	Wash affected areas thoroughly with mild soap and water. If irritation persists get medical attention.
Еуе	Do not rub eyes. Immediately flush with large amounts of clean, warm water (low pressure) for at least 15 minutes or until particles are removed. If irritation persists get medical attention.
Inhalation	Move to fresh air. If symptoms persist, get medical attention.
Ingestion	If ingestion of a large amount does occur, seek medical attention.
5. Fire Fighting Measures	
Flash point and method	> 200 °F (> 93.3 °C); Pensky-Martens Closed Cup
Auto ignition temperature	Not determined
Hazardous combustion products	Refer to section 10.
Extinguishing media	CO2, water, dry chemical, or foam
Unsuitable extinguishing media	None known.
Unusual fire and explosion hazard	Combustion generates toxic fumes of fluorides/fluorine compounds.
Special firefighting procedures	None established.

Personal precautions	Wear appropriate personal protective equipment.
Environmental precautions	Do not let product enter drains. Do not flush into surface water or sanitary sewer system.
Procedures if material is released or spilled	Soak up with inert absorbent material. Slowly vacuum or sweep the material into a bag or other sealed container. Dispose of in compliance with federal, state, and local regulations. See also section 13 Disposal considerations.



#### 7. Handling and Storage

Handling	Avoid contact with skin, eyes and clothing.
Storage	Keep out of the reach of children. Keep away from excessive heat or cold. Store away from strong oxidizers.

### 8. Exposure Controls/Personal Protection

Exposure limit values	Exposure limits have not been established for this product.	
Personal protective equipmen	t	
General	Use personal protective equipment to minimize exposure to skin and eye.	
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice.	
Exposure guidelines	Use in a well ventilated area.	

### 9. Physical & Chemical Properties

рН	9.2
Vapor pressure	Not determined
Boiling point	Not determined
Solubility	Soluble in water
Specific gravity	1 - 1.1
Flash point	> 200 °F (> 93.3 °C)
Vapor density	> 1 (air=1)
Evaporation rate	Not determined
Flammability	Not determined
Oxidizing properties	Not determined
Color	black

## 10. Chemical Stability & Reactivity Information

Stability	Stable under recommended storage conditions.
Hazardous polymerization	Will not occur.
Hazardous decomposition products	Upon decomposition, this product may yield gaseous nitrogen oxides, carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. hydrogen fluoride, fluorinated hydrocarbons
Incompatibility	Incompatible with strong bases and oxidizing agents.

#### **11.** Toxicological Information

This ink formulation has not been tested for toxicological effects. Refer to Section 3 for potential health effects and Section 4 for first aid measures.

### **12. ECOLOGICAL INFORMATION**

**Aquatic toxicity** 

LC50/96h/Fathead minnows => 750 mg/L

### **13. Disposal Considerations**

<b>Disposal instructions</b>	Dispose of in compliance with federal, state, and local regulations.		
	HP's Planet Partners (trademark) supplies recycling program enables simple, convenient		
	recycling of HP original inkjet and LaserJet supplies. For more information and to determine if		
	this service is available in your location, please visit http://www.hp.com/recycle.		



#### 14. Transportation Information

L4. Transportation Informatio		<ul> <li>Not a regulated article under United States DOT, IATA, ADR, IMDG, or RID.</li> </ul>		
ΙΑΤΑ				
Proper shipping name	Not applicable	Not applicable		
Hazard class	Not applicable			
Packaging exceptions	None			
Identification number (UN)	None			
Packing group	N/A			
5. Regulatory Information				
International regulations	All chemical substances in this HP product have been notified or are exempt from notification under chemical substances notification laws in the following countries: US (TSCA), EU (EINECS/ELINCS), Switzerland, Canada (DSL/NDSL), Australia, Japan, Philippines, South Korea, New Zealand, and China.			
US federal regulations	US TSCA 12(b): Contains sodium nitrite, CAS 7632-00-0., subject to export notification requirements.			
HMIS ratings	Health: Flammability: Physical hazard:	1 2 0		
NFPA ratings	Health: Flammability: Instability:	1 2 0		
Superfund Amendments and	Reauthorization Act	of 1986 (SARA)		
Section 302 extremely hazardous substance	No			
Section 311 hazardous chemical	Yes			
Hazard categories	Immediate Hazard - Delayed Hazard - No Fire Hazard - Yes Pressure Hazard - No Reactivity Hazard - No	0		
6. Other Information				
Other information	This MSDS was prepared in accordance with USA OSHA Hazard Communications regulation (29 CFR 1910.1200).			
Issue date	May 8 2007 8:11AN	May 8 2007 8:11AM		
Revision	1	1		
Replaces sheet dated	Apr 18 2007 4:00PM	Apr 18 2007 4:00PM		
Disclaimer	This Safety Data Sheet document is provided without charge to customers of Hewlett-Packard Company. Data is the most current known to Hewlett-Packard Company at the time of preparation of this document and is believed to be accurate. It should not be construed as guaranteeing specific properties of the products as described or suitability for a particular application. This document was propagated to the acquirements of the invisit products as described or suitability for a particular application.			

application. This document was prepared to the requirements of the jurisdiction specified in Section 1 above and may not meet regulatory requirements in other countries.



### **Explanation of abbreviations**

ACGIH	American Conference of Governmental Industrial Hygienists
CAS	Chemical Abstracts Service
CERCLA	Comprehensive Environmental Response Compensation and Liability Act
CFR	Code of Federal Regulations
COC	Cleveland Open Cup
DOT	Department of Transportation
EPCRA	Emergency Planning and Community Right-to-Know Act (aka SARA)
IARC	International Agency for Research on Cancer
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
RCRA	Resource Conservation and Recovery Act
REC	Recommended
REL	Recommended Exposure Limit
SARA	Superfund Amendments and Reauthorization Act of 1986
STEL	Short-Term Exposure Limit
TCLP	Toxicity Characteristics Leaching Procedure
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
VOC	Volatile Organic Compounds