

1. Chemical Product and Company Identification

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Material name	C4933A
Use of the preparation	Inkjet printing
Version #	03
Revision date	27-Mar-2008
CAS #	Mixture
Manufacturer information	Hewlett-Packard Company 1000 NE Circle Boulevard Corvallis, OR 97330-4239 US
Hewlett-Packard health effec	ts line
(Toll-free within the US) (Direct)	1-800-457-4209 1-503-494-7199
General information telephon	
HP Customer Care Line (Toll-free) (Direct)	1-800-474-6836 1-800-474-6836 1-208-323-2551
Date prepared	Mar 27, 2008
2. Hazards Identification	
Emergency overview	Contact with skin and eyes may result in irritation.
Acute health effects	Any potential hazards are presumed to be due to exposure to the components.
Skin contact	
	<i>2-pyrrolidone</i> Contact with skin may result in irritation. <i>Aliphatic diol</i> Contact with skin may result in irritation.
Eye contact	······································
	<i>2-pyrrolidone</i> Contact with eyes may result in irritation. <i>Aliphatic diol</i> Contact with eyes may result in irritation.
Inhalation	
.	<i>2-pyrrolidone</i> Inhalation may result in respiratory irritation. <i>Aliphatic diol</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.

3. Composition / Information on Ingredients

Component/substance		CAS number	% by weight
Water		7732-18-5	> 80
Aliphatic diol		Proprietary	< 10
2-pyrrolidone		616-45-5	< 5
Substituted napthalenesulfonate salt	: #7	Proprietary	< 5
·	This product	ly contains an aqueous ink formu has been evaluated using criteria on Standard).	specified in 29 CFR 1910.1200 (Hazard
First aid procedures			
-	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.		
Skin contact	Wash affecte	d areas thoroughly with mild soar	and water. Get medical attention if irritation

Skin contact	Wash affected areas thoroughly with mild soap and water. Get medical attention if irritation develops or persists.
Inhalation	Remove 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

	The righting measures	
	Flash point and method	> 200 °F (> 93.3 °C); Pensky-Martens Closed Cup
	Hazardous combustion products	Refer to section 10.
	Flammable properties	None known.
	Extinguishing media Suitable extinguishing media	Dry chemical, CO2, water spray or regular foam.
	Unsuitable extinguishing media	None known.
	Unusual fire and explosion hazard	None known.
	Special firefighting procedures	None established.
5.	Accidental Release Measures	3
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6.

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.



Methods for containment	Dike the spilled material, where this is possible. Absorb with inert absorbent such as dry clay, sand or diatomaceous earth, commercial sorbents, or recover using pumps.
Methods for cleaning up	Soak up with inert absorbent material.
Other information	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.

8. Exposure Controls/Personal Protection

Exposure guidelines	Exposure limits have not been established for this product.
Personal protective equipmer	nt
General	Use personal protective equipment to minimize exposure to skin and eye.
Skin protection	Protected gloves not required under intended use.
General hygeine considerations	Handle in accordance with good industrial hygiene and safety practice.

9. Physical & Chemical Properties

Yellow
Not available
Liquid.
7 - 8
Not available
Not available
Not determined
> 200 °F (> 93.3 °C); Pensky-Martens Closed Cup
Not determined
Not available.
Not available
Not determined
Not determined
> 1 (air = 1.0)
1 - 1.2
Not available
Soluble in water
Not available
Not available
Not available



VOC	< 3 %
Viscosity	> 2 cp

10. Chemical Stability & Reactivity Information

Chemical stability	Stable under recommended storage conditions.
Incompatible materials	Incompatible with strong bases and oxidizing agents.
Hazardous decomposition products	Upon decomposition, this product may yield gaseous nitrogen oxides, carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.
Possibility of hazardous reactions	Will not occur.

11. Toxicological Information

Not available

12. Ecological Information			
Aquatic toxicity	LC50/96h/Fathead minnows => 750 mg/L		
Persistence and degradability	Not available		
13. Disposal Considerations			
Disposal instructions	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

Department of Transportation (DOT) Requirements

Not regulated as hazardous goods.

IATA

Proper shipping name	Not applicable
Hazard class	Not applicable
UN number	None
Packing group	N/A
Packaging exceptions	None

15. Regulatory Information

CERCLA (Superfund) reportable quantity

None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories	Immediate Hazard - No Delayed Hazard - No Fire Hazard - Yes Pressure Hazard - No Reactivity Hazard - No
Section 302 extremely hazardous substance	No



under chemical substances notification laws in the following countries: US (TSCA), EU		
HMIS@ ratingsHealth: 1 Flammability: 2 Physical hazard: 0NFPA ratingsHealth: 1 Flammability: 2 Instability: 0Issue dateMar 27 2008 2:56PMRevision3Replaces sheet datedJan 10 2006 12:10AMDisclaimerThis Safety Data Sheet document is provided without charge to customers of Hewlett-P 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 uaranteeing specific properties of the products as described or suitability for a particul application. This document was prepared to the requirements of the jurisdiction specific Section 1 above and may not meet regulatory requirements in other countries.MSDS sections updated3. Hazards Identification: Routes of exposure 8. Exposure Controls/Personal Protection: Eye 8. Exposure Controls/Personal Protection: RespiratoryExplanation of abbreviationsCode of Federal RegulationsCCGLCode of Federal RegulationsCOCCleveland Open Cup DOTDOTDepartment of Transportation Emergency Planning and Community Right-to-Know Act (aka SARA) IARCIARCInternational Agency for Research on Cancer NIOSHNTPNational Institute for Occupational Safety and Health MTPPLPermissible Exposure Permissible Exposure Occupational Safety and Health Administration PELPLPermissible Exposure PermissibleRecRaResource Conservation and Recovery Act	(EINECS/ELINCS), Switzerland, Canada (DSL/NDSL), Australia, Japan, Philippines, South Korea,	
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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		