C9352 Series[C]-SDS\_UK-English-11.pdf

C9352 Series[M]-SDS\_UK-English-11.pdf

C9352 Series[Y]-SDS\_UK-English-11.pdf



## SAFETY DATA SHEET

	the substance/mixture and of the company/undertaking
1.1. Product identifier	
Trade name or designation of the mixture	C9352 Series[C]
Registration number	N/A
Synonyms	None.
Issue date	12-Jun-2013
.,	

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Version number	02
Revision date	18-Sep-2013
Supersedes date	12-Jun-2013
1.2. Relevant identified uses of	f the substance or mixture and uses advised against
Identified uses	Inkjet printing
Uses advised against	None known.
Company identification	Hewlett-Packard, Ltd. Cain Road, Amen Corner Bracknell, Berkshire, RG12 1HN Telephone 44 (0) 879 013 0790
	Hewlett-Packard health effects line (Toll-free within the US) 1-800-457-4209 (Direct) 1-503-494-7199 HP Customer Care Line (Toll-free within the US) 1-800-474-6836

(Direct) 1-208-323-2551

Email: hpcustomer.inquiries@hp.com Poison Information Center 0207771 5307

### SECTION 2: Hazards identification

2.1. Classification of the substance or mixture			
Classification according to Directive 67/548/EEC or 1999/45/EC as amended			
Classification	R52/53		
Emergency overview	Contact with skin and eyes may result in irritation.		
	Causes skin irritation.		
Hazard summary			
Physical hazards	Not classified for physical hazards.		
Health hazards	Not classified as a health hazard.		
Environmental hazards	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.		
Specific hazards	Not available.		
Main symptoms	Not available.		
2.2. Label elements			
Label according to Directive 6	7/548/EEC or 1999/45/EC as amended		
Contains:	1,5-pentanediol, 2-pyrrolidone, Alkyldiol ethoxylate, Ammonium nitrate, Ethyl alkyldiol, Metal nitrate # 2, Substituted phthalocyanine salt # 2, Water		
R-phrase(s)			
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.		
S-phrase(s)			
S2	Keep out of the reach of children.		
S24/25	Avoid contact with skin and eyes.		
S61	Avoid release to the environment. Refer to special instructions/ Safety data sheets.		
Authorization number	Not available.		

Supplemental label information 2.3. Other hazards Not applicable.

Complete toxicity data are not available for this specific formulation

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.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

#### **General information**

Chemical name		%	CAS-No. / EC No.	<b>REACH Registration No.</b>	Index No.	Notes
Water		> 60	7732-18-5 231-791-2	-	-	
<b>Classification:</b>	DSD:	-				
	CLP:	-				
1,5-pentanediol		< 10	111-29-5 203-854-4	-	-	
Classification:	DSD:	-				
	CLP:	-				
Ethyl alkyldiol		< 10	Proprietary 201-074-9	-	-	
Classification:	DSD:	-				
	CLP:	-				
2-pyrrolidone		< 7.5	616-45-5 210-483-1	-	-	
Classification:	DSD:	Xi;R36				
	CLP:	Eye Irrit. 2;H31	9			
Metal nitrate # 2		< 7.5	Proprietary 233-826-7	-	-	
Classification:	DSD:	Xi;R36				
	CLP:	Eye Irrit. 2;H31	9			
Alkyldiol ethoxylate		< 2.5	Proprietary	-	-	
<b>Classification:</b>	DSD:	<b>DSD:</b> Xn;R21/22, Xi;R38-41, N;R51/53				
	CLP:	Acute Tox. 4;H3 Chronic 2;H411		l2, Skin Irrit. 2;H315, Eye Da	am. 1;H318, Aqu	atic
Ammonium nitrate		<2.5	6484-52-2 229-347-8	-	-	
		O;R7-R8, Xi;R3	6/37/38			
		Skin Irrit. 2;H31	15, Eye Irrit. 2;H319,	STOT SE 3;H335		
Substituted phthalocyar	nine salt #	<sup>±</sup> 2 < 2.5	Proprietary	_	-	
Classification: DSD:		Xn;R48/22, N;R	- 51/53			
	CLP:	Skin Irrit. 2;H31	L5, Skin Sens. 1;H317	Eve Irrit 2.H319		

Composition comments	This ink supply contains an aqueous ink formulation. This product has been evaluated using criteria specified in the EU Directives 67/548/EEC and 1999/45/EC, as amended. For the full text of the R phrases mentioned in this Section, see Section 16.
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SECTION 4: First aid measu	res
General information	Not available.
4.1. Description of first aid me	asures
Inhalation	Move to fresh air. If symptoms persist, get medical attention.
Skin contact	Wash affected areas thoroughly with mild soap and water. Get medical attention if irritation develops or persists.
Eye contact	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.
Ingestion	If ingestion of a large amount does occur, seek medical attention.
4.2. Most important symptoms and effects, both acute and delayed	Not available.
4.3. Indication of any immediate medical attention and special treatment needed	No notes to physicians.

### SECTION 5: Firefighting measures

General fire hazards	Not available.
5.1. Extinguishing media	
Suitable extinguishing media	For small (incipient) fires, use media such as foam, sand, dry chemical, or carbon dioxide. For large fires use very large (flooding) quantities of water and/or foam, applied as a mist or spray.
Unsuitable extinguishing media	None known.
5.2. Special hazards arising from the substance or mixture	Not available.
5.3. Advice for firefighters	
Special protective equipment for firefighters	Not available.
Special fire fighting procedures	Not available.

### SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures			
For non-emergency personnel	Wear appropriate personal protective equipment.		
For emergency responders	Not available.		
6.2. Environmental precautions	Do not let product enter drains. Do not flush into surface water or sanitary sewer system.		
6.3. Methods and material for containment and cleaning up	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.		
6.4. Reference to other sections	For waste disposal, see section 13 of the MSDS.		

## SECTION 7: Handling and storage

7.1. Precautions for safe handling	Avoid contact with skin, eyes and clothing.
7.2. Conditions for safe storage, including any incompatibilities	Keep out of the reach of children. Keep away from excessive heat or cold.
7.3. Specific end use(s)	Not available.

SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

Occupational exposure limits	No exposure limits noted for ingredient(s).		
Biological limit values	No biological exposure limits noted for the ingredient(s).		
Recommended monitoring procedures	Not available.		
Derived no-effect level (DNEL)	Not available.		
Predicted no effect concentrations (PNECs)	Not available.		
8.2. Exposure controls			
Appropriate engineering controls	Use in a well ventilated area.		
Individual protection measure	s, such as personal protective equipment		
General information	Use personal protective equipment to minimize exposure to skin and eye.		
Eye/face protection	Not available.		
Skin protection			
- Hand protection	Not available.		
- Other	Not available.		
<b>Respiratory protection</b>	Not available.		
Thermal hazards	Not available.		
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice.		

## SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties				
Appearance	Not available.			
Physical state	Liquid.			
Form	Not available.			
Color	Cyan			
Odor	Not available.			
Odor threshold	Not available.			
рН	6.2 - 6.8			
Melting point/freezing point	Not available.			
Initial boiling point and boiling range	Not determined			
Flash point	>= 200.00 °F (>= 93.33 °C) Pensky-Martens Closed Cup			
Evaporation rate	Not determined			
Flammability (solid, gas)	Not applicable.			
Upper/lower flammability or e	xplosive limits			
Flammability limit - lower (%)	Not determined			
Flammability limit - upper (%)	Not available.			
Vapor pressure	Not applicable.			
Relative density	Not available.			
Solubility(ies)	Soluble in water			
Partition coefficient (n-octanol/water)	Not available.			
Decomposition temperature	Not available.			
Viscosity	>= 2 cp			
Explosive properties	Not available.			
Oxidizing properties	Not determined.			
9.2. Other information				
Specific gravity	1 - 1.2			
VOC (Weight %)	< 338 g/l			

SECTION 10: Stability and re	eactivity				
10.1. Reactivity	Not available.				
10.2. Chemical stability	Stable under recommended storage conditions.				
10.3. Possibility of hazardous reactions	Will not occur.				
10.4. Conditions to avoid	Not available.				
10.5. Incompatible materials	Incompatible with strong bases and oxidizing agen	ts.			
10.6. Hazardous	Upon decomposition, this product may yield gaseo				
decomposition products	dioxide and/or low molecular weight hydrocarbons				
SECTION 11: Toxicological in	nformation				
General information	Refer to Section 2 for potential health effects and	Section 4 for first aid measures.			
Information on likely routes of	-				
Ingestion	Not available.				
Inhalation	Not available.				
Skin contact	Not available.				
Eye contact	Not available.				
Symptoms	Not available.				
11.1. Information on toxicolog	ical effects				
Acute toxicity					
Components	Species	Test Results			
2-pyrrolidone (CAS 616-45-5)					
Acute					
Oral					
LD50	Guinea pig	6500 mg/kg			
	Rat	6500 mg/kg			
Ammonium nitrate (CAS 6484-52-2	)				
Acute					
Inhalation					
LC50	Rat	> 88.8 mg/l, 4 Hours			
Oral					
LD50	Rat	2217 mg/kg			
Substituted phthalocyanine salt # 2 (CAS Proprietary) Acute					
Skin corrosion/irritation	No data available.				
Serious eye damage/eye irritation	Not available.				
Respiratory sensitization	Not available.				
Skin sensitization	Not available.				
Germ cell mutagenicity	Not available.				
Carcinogenicity	Not available.				
Reproductive toxicity	Not available.				
Specific target organ toxicity - single exposure	Not available.				
Specific target organ toxicity - repeated exposure	Not available.				
Aspiration hazard	Not available.				
Mixture versus substance information	Not available.				
Other information	This ink formulation has not been tested for toxicological effects. Refer to Section 2 for potential health effects and Section 4 for first aid measures.				

## SECTION 12: Ecological information

### 12.1. Toxicity

Product		Species	Test Results	
Cyan ink (CAS Mixture)				
Aquatic				
Acute				
Fish	LC50	Fathead minnow (Pimephales promelas)	< 400 mg/l, 96 hours	
Components		Species	Test Results	
2-pyrrolidone (CAS 616-45-5)				
Aquatic				
Crustacea	EC50	Water flea (Daphnia pulex)	13.21 mg/l, 48 hours	
Ammonium nitrate (CAS 6484-52-	2)			
Crustacea	EC50	Daphnia	100, 48 Hours	
Fish	LC50	Fish	100, 96 Hours	
Ethyl alkyldiol (CAS Proprietary)				
Crustacea	EC50	Daphnia	102, 48 Hours	
Fish	LC50	Fish	1000, 96 Hours	
Aquatic				
Crustacea	EC50	Water flea (Daphnia magna)	10330 - 16360 mg/l, 48 hours	
Fish	LC50	Bleak (Alburnus alburnus)	> 10000 mg/l, 96 hours	
Crustacea	EC50	Daphnia	50 - 100 mg/l, 48 Hours	
12.2. Persistence and degradability	Not available			
12.3. Bioaccumulative potential	No data avai	No data available on bioaccumulation.		
Partition coefficient n-octanol/water (log Kow) 2-pyrrolidone		-0.85		
Bioconcentration factor (BCF)	Not available			
12.4. Mobility in soil	Not available			
12.5. Results of PBT and vPvB assessment	Not a PBT or	Not a PBT or vPvB substance or mixture.		
12.6. Other adverse effects	Not available			
SECTION 13: Disposal cons	iderations			
13.1. Waste treatment metho				
Residual waste	Not available			
Contaminated packaging	Not available			
EU waste code	Not available			
Disposal methods/information	Do not allow this material to drain into sewers/water supplies. Dispose of waste material according to Local, State, Federal, and Provincial Environmental 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.

## SECTION 14: Transport information

#### ADR

Not regulated as dangerous goods.

### RID

Not regulated as dangerous goods.

### ADN

Not regulated as dangerous goods.

## IATA

Not regulated as dangerous goods.

#### IMDG

Not regulated as dangerous goods.

SECTION 15: Regulatory i	information
15.1. Safety, health and env	ironmental regulations/legislation specific for the substance or mixture
EU regulations	
Regulation (EC) No. 100 Not listed.	5/2009 on substances that deplete the ozone layer, Annex I
Regulation (EC) No. 100 Not listed.	5/2009 on substances that deplete the ozone layer, Annex II
	/2004 On persistent organic pollutants, Annex I as amended
Regulation (EC) No. 689 amended	ho/2008 concerning the export and import of dangerous chemicals, Annex I, part 1 as
amended	/2008 concerning the export and import of dangerous chemicals, Annex I, part 2 as
Not listed. Regulation (EC) No. 689 amended	/2008 concerning the export and import of dangerous chemicals, Annex I, part 3 as
Not listed. Regulation (EC) No. 689	/2008 concerning the export and import of dangerous chemicals, Annex V as amended
Not listed. Regulation (EC) No. 166	6/2006 Annex II Pollutant Release and Transfer Registry
Not listed.	
Regulation (EC) No. 190 Not listed.	7/2006, REACH Article 59(1) Candidate List as currently published by ECHA
Authorizations	
Regulation (EC) No. 143	3/2011 Annex XIV Substances Subject to Authorization
Not listed.	
Restrictions on use	
Regulation (EC) No. 190 amended	7/2006, REACH Annex XVII Substances subject to restriction on marketing and use as
AMMONIUM NITRATE Directive 2004/37/EC: o mutagens at work	(AN) (CAS 6484-52-2) on the protection of workers from the risks related to exposure to carcinogens and
Not regulated. Directive 92/85/EEC: or are breastfeeding	n the safety and health of pregnant workers and workers who have recently given birth or
Not regulated.	
Other EU regulations	
-	veso II) on the control of major-accident hazards involving dangerous substances
Not regulated. Directive 98/24/EC on t agents at work	he protection of the health and safety of workers from the risks related to chemical
Not regulated. Directive 94/33/EC on t	he protection of young people at work
Not regulated.	
Other 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.
National regulations	Not available.
15.2. Chemical Safety Assessment	Not available.
SECTION 16: Other inform	nation

### SECTION 16: Other information

#### References

Not available.

Full text of any statements or R-phrases and H-statements under Sections 2 to 15	<ul> <li>R7 May cause fire.</li> <li>R8 Contact with combustible material may cause fire.</li> <li>R21/22 Harmful in contact with skin and if swallowed.</li> <li>R22 Harmful if swallowed.</li> <li>R36 Irritating to eyes.</li> <li>R36/37/38 Irritating to eyes, respiratory system and skin.</li> <li>R38 Irritating to skin.</li> <li>R41 Risk of serious damage to eyes.</li> <li>R48/22 Harmful: danger of serious damage to health by prolonged exposure if swallowed.</li> <li>R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.</li> <li>R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.</li> <li>H302 Harmful if swallowed.</li> <li>H312 Harmful in contact with skin.</li> <li>H315 Causes skin irritation.</li> <li>H317 May cause an allergic skin reaction.</li> <li>H318 Causes serious eye damage.</li> <li>H319 Causes serious eye irritation.</li> <li>H335 May cause respiratory irritation.</li> </ul>
Safety phrase(s)	<ul><li>H411 Toxic to aquatic life with long lasting effects.</li><li>S2 Keep out of the reach of children.</li><li>S24/25 Avoid contact with skin and eyes.</li><li>S61 Avoid release to the environment. Refer to special instructions/ Safety data sheets.</li></ul>
Revision information	None.
Training information	Not available.
Disclaimer	This Safety Data Sheet document is provided without charge to customers of Hewlett-Packarc 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 prepared to the requirements of the jurisdiction specified in Section 1 above and may not meet regulatory requirements in other countries.
Manufacturer information Explanation of abbreviations	Hewlett-Packard Company 3000 Hanover Street Palo Alto, California 94304-1112 US (Direct) 1-503-494-7199 (Toll-free within the US) 1-800-457-4209
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 Threshold Limit Value
TLV TSCA	Toxic Substances Control Act
VOC	Volatile Organic Compounds



## **SAFETY DATA SHEET**

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

	, , , , , , , , , , , , , , , , , , , ,
1.1. Product identifier	
Trade name or designation of the mixture	C9352 Series[M]
Registration number	N/A
Synonyms	None.
Issue date	13-Jun-2013
Version number	02
Revision date	18-Sep-2013
Supersedes date	13-Jun-2013
1.2. Relevant identified uses of	f the substance or mixture and uses advised against
Identified uses	Inkjet printing
Uses advised against	None known.
Company identification	Hewlett-Packard, Ltd. Cain Road, Amen Corner Bracknell, Berkshire, RG12 1HN Telephone 44 (0) 879 013 0790
	Hewlett-Packard health effects line (Toll-free within the US) 1-800-457-4209 (Direct) 1-503-494-7199 HP Customer Care Line (Toll-free within the US) 1-800-474-6836 (Direct) 1-208-323-2551 Email: hpcustomer.inquiries@hp.com Poison Information Center 0207771 5307

### SECTION 2: Hazards identification

SECTION 2. Hazards identification			
2.1. Classification of the subs	tance or mixture		
Classification according to Directive 67/548/EEC or 1999/45/EC as amended			
Emergency overview	Contact with skin and eyes may result in irritation.		
	Causes skin irritation.		
Hazard summary			
Physical hazards	Not classified for physical hazards.		
Health hazards	Not classified as a health hazard.		
<b>Environmental hazards</b>	Not classified for hazards to the environment.		
Specific hazards	Not available.		
Main symptoms	Not available.		
2.2. Label elements			
Label according to Directive 6	7/548/EEC or 1999/45/EC as amended		
Contains:	1,5-pentanediol, 2-pyrrolidone, Alkyldiol ethoxylate, Amino alkyldiol, Ammonium nitrate, Ethyl alkyldiol, Metal nitrate # 2, Substituted napthalenesulfonate salt #8, Water		
R-phrase(s)	Not available.		
S-phrase(s)	Not available.		
Authorization number	Not available.		
Supplemental label information	Not applicable.		
2.3. Other hazards	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		

## SECTION 3: Composition/information on ingredients

## 3.2. Mixtures

Chemical name		%	CAS-No. / EC No.	REACH Registration No	o. Index No. Not
Water		> 60	7732-18-5 231-791-2	-	-
<b>Classification:</b>	DSD:	-			
	CLP:	-			
1,5-pentanediol		< 10	111-29-5 203-854-4	-	-
Classification:	DSD:	-			
	CLP:	-			
Ethyl alkyldiol		< 10	Proprietary 201-074-9	-	-
<b>Classification:</b>	DSD:	-			
	CLP:	-			
2-pyrrolidone		< 7.5	616-45-5 210-483-1	-	-
Classification:	DSD:	Xi;R36			
	CLP:	Eye Irrit. 2;H3	319		
Metal nitrate # 2		< 7.5	Proprietary 233-826-7	-	-
Classification:	DSD:	Xi;R36			
	CLP:	Eye Irrit. 2;H3	319		
Substituted napthalenesul #8	fonate	salt < 5	Proprietary -	-	-
Classification:	DSD:	-			
	CLP:	-			
Alkyldiol ethoxylate		< 2.5	Proprietary	-	-
Classification:	DSD:	Xn;R21/22, Xi	;R38-41, N;R51/53		
	CLP:	Acute Tox. 4;H Chronic 2;H41		12, Skin Irrit. 2;H315, Eye	Dam. 1;H318, Aquatic
Amino alkyldiol		< 2.5	Proprietary 201-064-4	-	-
Classification:	DSD:	-			
	CLP:	-			
Ammonium nitrate		< 2.5	6484-52-2 229-347-8	-	-
Classification:	DSD:	O;R7-R8, Xi;R	36/37/38		
	CLP:	Skin Irrit. 2;H3	315, Eye Irrit. 2;H319,	STOT SE 3;H335	
position comments	Т			k formulation. criteria specified in the EU	Directives 67/548/EEC and

### SECTION 4: First aid measures

General information	Not available.		
4.1. Description of first aid me	easures		
Inhalation	Move to fresh air. If symptoms persist, get medical attention.		
Skin contact	Wash affected areas thoroughly with mild soap and water. If irritation persists get medical attention.		
Eye contact	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.		
Ingestion	If ingestion of a large amount does occur, seek medical attention.		
4.2. Most important symptoms and effects, both acute and delayed	Not available.		
4.3. Indication of any immediate medical attention and special treatment needed	No notes to physicians.		
SECTION 5: Firefighting me	asures		
General fire hazards	Not available.		
5.1. Extinguishing media Suitable extinguishing media	For small (incipient) fires, use media such as foam, sand, dry chemical, or carbon dioxide. For large fires use very large (flooding) quantities of water and/or foam, applied as a mist or spray.		

Unsuitable extinguishing media	None known.
5.2. Special hazards arising from the substance or mixture	Not available.
5.3. Advice for firefighters	
Special protective equipment for firefighters	Not available.
Special fire fighting procedures	Not available.

## SECTION 6: Accidental release measures

6.1. Personal precautions, prot	ective equipment and emergency procedures		
For non-emergency personnel	Wear appropriate personal protective equipment.		
For emergency responders	Not available.		
6.2. Environmental precautions	Do not let product enter drains. Do not flush into surface water or sanitary sewer system.		
6.3. Methods and material for containment and cleaning up	Not available.		
6.4. Reference to other sections	Not available.		

### SECTION 7: Handling and storage

7.3. Specific end use(s)	Not available.
7.2. Conditions for safe storage, including any incompatibilities	Keep out of the reach of children. Keep away from excessive heat or cold.
7.1. Precautions for safe handling	Avoid contact with skin, eyes and clothing.
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SECTION 8: Exposure controls/personal protection

## 8.1. Control parameters

Occupational exposure limits	No exposure limits noted for ingredient(s).
<b>Biological limit values</b>	No biological exposure limits noted for the ingredient(s).

Recommended monitoring procedures	Not available.
Derived no-effect level (DNEL)	Not available.
Predicted no effect concentrations (PNECs)	Not available.
8.2. Exposure controls	
Appropriate engineering controls	Use in a well ventilated area.
Individual protection measure	es, such as personal protective equipment
General information	Use personal protective equipment to minimize exposure to skin and eye.
Eye/face protection	Not available.
Skin protection	
- Hand protection	Not available.
- Other	Not available.
<b>Respiratory protection</b>	Not available.
Thermal hazards	Not available.
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice.

## SECTION 9: Physical and chemical properties

SECTION 5. Thysical and ch	
9.1. Information on basic phys	ical and chemical properties
Appearance	Not available.
Physical state	Liquid.
Form	Not available.
Color	Magenta
Odor	Not available.
Odor threshold	Not available.
рН	6.2 - 6.8
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not determined
Flash point	>= 200.00 °F (>= 93.33 °C) Pensky-Martens Closed Cup
Evaporation rate	Not determined
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or e	xplosive limits
Flammability limit - lower (%)	Not determined
Flammability limit - upper (%)	Not available.
Vapor pressure	Not determined
Relative density	Not available.
Solubility(ies)	Soluble in water
Partition coefficient (n-octanol/water)	Not available.
Decomposition temperature	Not available.
Viscosity	>= 2 cp
Explosive properties	Not available.
Oxidizing properties	Not determined.
9.2. Other information	
Specific gravity	1 - 1.2
VOC (Weight %)	< 349 g/l
SECTION 10: Stability and re	eactivity
10.1. Reactivity	Not available.
10.2. Chemical stability	Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions			
10.4. Conditions to avoid	Not available.		
10.5. Incompatible materials	Incompatible with strong bases and oxidizing agents		
10.6. Hazardous	Upon decomposition, this product may yield gaseous		
decomposition products dioxide and/or low molecular weight hydrocarbons.			
SECTION 11: Toxicological information			
General information	Refer to Section 2 for potential health effects and Se	ction 4 for first aid measures.	
Information on likely routes of	f exposure		
Ingestion	Not available.		
Inhalation	Not available.		
Skin contact	Not available.		
Eye contact	Not available.		
Symptoms	Not available.		
<b>11.1. Information on toxicolog</b>	jical effects		
Acute toxicity			
Components	Species	Test Results	
2-pyrrolidone (CAS 616-45-5)			
Acute			
Oral			
LD50	Guinea pig	6500 mg/kg	
	Rat	6500 mg/kg	
Amino alkyldiol (CAS Proprietary)			
Acute			
Oral	<b>D</b> .	5000 //	
LD50	Rat	5900 mg/kg	
Other	Maria		
LD50	Mouse	3500 mg/kg	
	Rat	2300 mg/kg	
Ammonium nitrate (CAS 6484-52-2	2)		
Acute Inhalation			
LC50	Rat	> 88.8 mg/l, 4 Hours	
Oral	Nat		
LD50	Rat	2217 mg/kg	
Skin corrosion/irritation			
Serious eye damage/eye	No data available. Not available.		
irritation	Not available.		
Respiratory sensitization	Not available.		
Skin sensitization	Not available.		
Germ cell mutagenicity	No information available.		
Carcinogenicity	Not available.		
Reproductive toxicity	Not available.		
Specific target organ toxicity - single exposure	Not available.		
Specific target organ toxicity - repeated exposure	Not available.		
Aspiration hazard	Not available.		
Mixture versus substance information	Not available.		
Other information	This ink formulation has not been tested for toxicolo Refer to Section 2 for potential health effects and Se		

12.1. Toxicity			
Product		Species	Test Results
Magenta ink (CAS Mixture)			
Aquatic			
Acute			
Fish	LC50	Fathead minnow (Pimephales promelas)	< 400 mg/l, 96 hours
Components		Species	Test Results
2-pyrrolidone (CAS 616-45-5)			
Aquatic			
Crustacea	EC50	Water flea (Daphnia pulex)	13.21 mg/l, 48 hours
Ammonium nitrate (CAS 6484-52-	2)		
Crustacea	EC50	Daphnia	100, 48 Hours
Fish	LC50	Fish	100, 96 Hours
Ethyl alkyldiol (CAS Proprietary)			
Crustacea	EC50	Daphnia	102, 48 Hours
Fish	LC50	Fish	1000, 96 Hours
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	10330 - 16360 mg/l, 48 hours
Fish	LC50	Bleak (Alburnus alburnus)	> 10000 mg/l, 96 hours
12.2. Persistence and degradability	Not available.		
12.3. Bioaccumulative potential	No data availa	ble on bioaccumulation.	
Partition coefficient n-octanol/water (log Kow)			
2-pyrrolidone		-0.85	
Bioconcentration factor (BCF)	Not available.		
12.4. Mobility in soil	Not available.		
12.5. Results of PBT and vPvB assessment	Not a PBT or v	vPvB substance or mixture.	
12.6. Other adverse effects	Not available.		
SECTION 13: Disposal cons	iderations		
13.1. Waste treatment metho			
Residual waste	Not available.		

Residual waste	Not available.
Contaminated packaging	Not available.
EU waste code	Not available.
Disposal methods/information	Do not allow this material to drain into sewers/water supplies. Dispose of waste material according to Local, State, Federal, and Provincial Environmental 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.

## SECTION 14: Transport information

## ADR

Not regulated as dangerous goods.

## RID

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Not regulated as dangerous goods.

## ADN

Not regulated as dangerous goods.

### IATA

Not regulated as dangerous goods.

Not regulated as dangerous goods.

#### SECTION 15: Regulatory information

**15.1.** Safety, health and environmental regulations/legislation specific for the substance or mixture EU regulations

## Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I

Not listed. Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex II

Not listed.

#### **Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended** Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 1 as amended

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 2 as amended

#### Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 3 as amended

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex V as amended Not listed.

Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry

Not listed.

Regulation (EC) No. 1907/2006, REACH Article 59(1) Candidate List as currently published by ECHA Not listed.

#### Authorizations

Regulation (EC) No. 143/2011 Annex XIV Substances Subject to Authorization

Not listed.

#### **Restrictions on use**

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended

AMMONIUM NITRATE (AN) (CAS 6484-52-2)

Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work

Not regulated.

Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breastfeeding

Not regulated.

#### Other EU regulations

Directive 96/82/EC (Seveso II) on the control of major-accident hazards involving dangerous substances Not regulated.

Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Not regulated.

#### Directive 94/33/EC on the protection of young people at work

Not regulated.

Other 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.
National regulations	Not available.
15.2. Chemical Safety Assessment	Not available.

### SECTION 16: Other information

References

Not available.

Full text of any statements or R-phrases and H-statements under Sections 2 to 15	<ul> <li>R7 May cause fire.</li> <li>R8 Contact with combustible material may cause fire.</li> <li>R21/22 Harmful in contact with skin and if swallowed.</li> <li>R36 Irritating to eyes.</li> <li>R36/37/38 Irritating to eyes, respiratory system and skin.</li> <li>R38 Irritating to skin.</li> <li>R41 Risk of serious damage to eyes.</li> <li>R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.</li> <li>H302 Harmful if swallowed.</li> <li>H312 Harmful in contact with skin.</li> <li>H315 Causes skin irritation.</li> <li>H318 Causes serious eye damage.</li> <li>H319 Causes serious eye irritation.</li> <li>H335 May cause respiratory irritation.</li> <li>H411 Toxic to aquatic life with long lasting effects.</li> </ul>
<b>Revision information</b>	None.
Training information	Not available.
Disclaimer	This Safety Data Sheet document is provided without charge to customers of Hewlett-Packarc 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 prepared to the requirements of the jurisdiction specified in Section 1 above and may not meet regulatory requirements in other countries.
Manufacturer information	Hewlett-Packard Company 3000 Hanover Street Palo Alto, California 94304-1112 US (Direct) 1-503-494-7199 (Toll-free within the US) 1-800-457-4209

### **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



## **SAFETY DATA SHEET**

SECTION 1: Identification of the substance/mixture and of the company/undertaking		
1.1. Product identifier		
Trade name or designation of the mixture	C9352 Series[Y]	
Registration number	N/A	
Synonyms	None.	
Issue date	13-Jun-2013	
Version number	02	
Revision date	18-Sep-2013	
Supersedes date	13-Jun-2013	
1.2. Relevant identified uses o	f the substance or mixture and uses advised against	
Identified uses	Not available.	
Uses advised against	None known.	
Company identification	Hewlett-Packard, Ltd. Cain Road, Amen Corner Bracknell, Berkshire, RG12 1HN Telephone 44 (0) 879 013 0790	
	Hewlett-Packard health effects line (Toll-free within the US) 1-800-457-4209 (Direct) 1-503-494-7199 HP Customer Care Line (Toll-free within the US) 1-800-474-6836 (Direct) 1-208-323-2551 Email: hpcustomer.inquiries@hp.com Poison Information Center 0207771 5307	

## SECTION 2: Hazards identification

2.1. Classification of the subst	ance or mixture			
Classification according to Directive 67/548/EEC or 1999/45/EC as amended				
Emergency overview	Contact with skin and eyes may result in irritation.			
	Causes skin irritation.			
Hazard summary				
Physical hazards	Not classified for physical hazards.			
Health hazards	Not classified as a health hazard.			
Environmental hazards	Not classified for hazards to the environment.			
Specific hazards	Not available.			
Main symptoms	Not available.			
2.2. Label elements				
Label according to Directive 62	7/548/EEC or 1999/45/EC as amended			
Contains:	1,5-pentanediol, 2-pyrrolidone, Alkyldiol ethoxylate, Ammonium nitrate, Arylazopyrazolesulfonate salt # 3, Ethyl alkyldiol, Metal nitrate # 2, Substituted napthalenesulfonate salt #12, Water			
R-phrase(s)	Not available.			
S-phrase(s)	Not available.			
Authorization number	Not available.			
Supplemental label information	Not applicable.			
2.3. Other hazards	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			

## SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

eral information Chemical name		%	CAS-No. / EC No.	<b>REACH Registration No.</b>	Index No. Note
Water		> 60	7732-18-5 231-791-2	-	-
<b>Classification:</b>	DSD:	-			
	CLP:	-			
1,5-pentanediol		< 10	111-29-5 203-854-4	-	-
Classification:	DSD:	-			
	CLP:	-			
Ethyl alkyldiol		< 10	Proprietary 201-074-9	-	-
Classification:	DSD:	-			
	CLP:	-			
2-pyrrolidone		< 7.5	616-45-5 210-483-1	-	-
Classification:	DSD:	Xi;R36			
	CLP:	Eye Irrit. 2;H31	9		
Metal nitrate # 2		< 7.5	Proprietary 233-826-7	-	-
Classification:	DSD:	Xi;R36			
	CLP:	Eye Irrit. 2;H31	9		
Substituted napthalenesu #12	lfonate	salt < 5	Proprietary 421-950-6	-	-
Classification:	DSD:	-			
	CLP:	-			
Alkyldiol ethoxylate		< 2.5	Proprietary	-	-
<b>Classification:</b>	DSD:	Xn;R21/22, Xi;F	R38-41, N;R51/53		
	CLP:	Acute Tox. 4;H3 Chronic 2;H411		12, Skin Irrit. 2;H315, Eye Da	am. 1;H318, Aquatic
Ammonium nitrate		< 2.5	6484-52-2 229-347-8	-	-
Classification:	DSD:	O;R7-R8, Xi;R3	6/37/38		
	CLP:	Skin Irrit. 2;H31	15, Eye Irrit. 2;H319,	STOT SE 3;H335	
Arylazopyrazolesulfonate	salt # 3	< 2.5	Proprietary 228-819-0	-	-
Classification:	DSD:	-			
	CLP:	-			
position comments	T 1	his product has I 999/45/EC, as ar	mended.	k formulation. criteria specified in the EU D ioned in this Section, see Sec	

### SECTION 4: First aid measures

General information	Not available.			
4.1. Description of first aid me	easures			
Inhalation	Move to fresh air. If symptoms persist, get medical attention.			
Skin contact	Wash affected areas thoroughly with mild soap and water. If irritation persists get medical attention.			
Eye contact	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.			
Ingestion	If ingestion of a large amount does occur, seek medical attention.			
4.2. Most important symptoms and effects, both acute and delayed	Not available.			
4.3. Indication of any immediate medical attention and special treatment needed	No notes to physicians.			
SECTION 5: Firefighting measures				
General fire hazards	Not available.			
5.1. Extinguishing media Suitable extinguishing media	For small (incipient) fires, use media such as foam, sand, dry chemical, or carbon dioxide. For large fires use very large (flooding) quantities of water and/or foam, applied as a mist or spray.			

Unsuitable extinguishing media	None known.
5.2. Special hazards arising from the substance or mixture	Not available.
5.3. Advice for firefighters	
Special protective equipment for firefighters	Not available.
Special fire fighting procedures	Not available.

## SECTION 6: Accidental release measures

For non-emergency personnel	Wear appropriate personal protective equipment.
For emergency responders	Not available.
6.2. Environmental precautions	Do not let product enter drains. Do not flush into surface water or sanitary sewer system.
6.3. Methods and material for containment and cleaning up	Not available.
6.4. Reference to other sections	Not available.

### SECTION 7: Handling and storage

incompatibilities 7.3. Specific end use(s)	Not available.
7.2. Conditions for safe storage, including any	Keep out of the reach of children. Keep away from excessive heat or cold.
7.1. Precautions for safe handling	Avoid contact with skin, eyes and clothing.
	-

SECTION 8: Exposure controls/personal protection

# 8.1. Control parametersOccupational exposure limits No exposure limits noted for ingredient(s).

Biological limit values	No biological exposure limits noted for the ingredient(s).

Recommended monitoring procedures	Not available.		
Derived no-effect level (DNEL)	Not available.		
Predicted no effect concentrations (PNECs)	Not available.		
8.2. Exposure controls			
Appropriate engineering controls	Use in a well ventilated area.		
Individual protection measures, such as personal protective equipment			
General information	Use personal protective equipment to minimize exposure to skin and eye.		
Eye/face protection	Not available.		
Skin protection			
- Hand protection	Not available.		
- Other	Not available.		
<b>Respiratory protection</b>	Not available.		
Thermal hazards	Not available.		
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice.		

## SECTION 9: Physical and chemical properties

Section 3. Thysical and chemical properties		
9.1. Information on basic physical and chemical properties		
Appearance	Not available.	
Physical state	Liquid.	
Form	Not available.	
Color	Yellow	
Odor	Not available.	
Odor threshold	Not available.	
рН	6.2 - 6.8	
Melting point/freezing point	Not available.	
Initial boiling point and boiling range	Not determined	
Flash point	>= 200.00 °F (>= 93.33 °C) Pensky-Martens Closed Cup	
Evaporation rate	Not determined	
Flammability (solid, gas)	Not applicable.	
Upper/lower flammability or ex	xplosive limits	
Flammability limit - lower (%)	Not determined	
Flammability limit - upper (%)	Not available.	
Vapor pressure	Not determined	
Relative density	Not available.	
Solubility(ies)	Soluble in water	
Partition coefficient (n-octanol/water)	Not available.	
Decomposition temperature	Not available.	
Viscosity	>= 2 cp	
Explosive properties	Not available.	
Oxidizing properties	Not determined.	
9.2. Other information		
Specific gravity	1 - 1.2	
VOC (Weight %)	< 340 g/l	
SECTION 10: Stability and reactivity		
10.1. Reactivity	Not available.	
10.2. Chemical stability	Stable under recommended storage conditions.	

10.3. Possibility of hazardous reactions	Will not occur.		
10.4. Conditions to avoid	Not available.		
10.5. Incompatible materials	Incompatible with strong bases and oxidizing agents.		
10.6. Hazardous	Upon decomposition, this product may yield gaseous nitrogen oxides, carbon monoxide, carbon		
decomposition products	dioxide and/or low molecular weight hydrocarbon		
SECTION 11: Toxicological i	nformation		
General information	Refer to Section 2 for potential health effects and	Section 4 for first aid measures.	
Information on likely routes of	exposure		
Ingestion	Not available.		
Inhalation	Not available.		
Skin contact	Not available.		
Eye contact	Not available.		
Symptoms	Not available.		
11.1. Information on toxicolog	ical effects		
Acute toxicity			
Components	Species	Test Results	
2-pyrrolidone (CAS 616-45-5)			
Acute			
Oral			
LD50	Guinea pig	6500 mg/kg	
	Rat	6500 mg/kg	
Ammonium nitrate (CAS 6484-52-2	2)		
Acute			
Inhalation			
LC50	Rat	> 88.8 mg/l, 4 Hours	
Oral			
LD50	Rat	2217 mg/kg	
Skin corrosion/irritation	No data available.		
Serious eye damage/eye irritation	Not available.		
Respiratory sensitization	Not available.		
Skin sensitization	Not available.		
Germ cell mutagenicity	No information available.		
Carcinogenicity	Not available.		
Reproductive toxicity	Not available.		
Specific target organ toxicity - single exposure	Not available.		
Specific target organ toxicity - repeated exposure	Not available.		
Aspiration hazard	Not available.		
Mixture versus substance information	Not available.		
Other information	This ink formulation has not been tested for toxicological effects. Refer to Section 2 for potential health effects and Section 4 for first aid measures.		
SECTION 12: Ecological info	rmation		
12.1. Toxicity			
Product	Species	Test Results	
Yellow ink (CAS Mixture)			
Aquatic			
Acute			

Fathead minnow (Pimephales promelas) < 400 mg/l, 96 hours

LC50

Fish

Components		Species	Test Results
2-pyrrolidone (CAS 616-45-5)			
Aquatic			
Crustacea	EC50	Water flea (Daphnia pulex)	13.21 mg/l, 48 hours
Ammonium nitrate (CAS 6484-52-2	2)		
Crustacea	EC50	Daphnia	100, 48 Hours
Fish	LC50	Fish	100, 96 Hours
Arylazopyrazolesulfonate salt # 3 (	(CAS Proprietary	)	
Aquatic			
Fish	LC50	Fathead minnow (Pimephales promelas)	> 180 mg/l, 96 hours
Crustacea	EC50	Daphnia	102, 48 Hours
Fish	LC50	Fish	1000, 96 Hours
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	10330 - 16360 mg/l, 48 hours
Fish	LC50	Bleak (Alburnus alburnus)	> 10000 mg/l, 96 hours
12.2. Persistence and degradability	Not available.		
12.3. Bioaccumulative potential	No data available on bioaccumulation.		
Partition coefficient n-octanol/water (log Kow)			
2-pyrrolidone	-0.85		
<b>Bioconcentration factor (BCF)</b>	Not available.		
12.4. Mobility in soil	Not available.		
12.5. Results of PBT and vPvB assessment	Not a PBT or vPvB substance or mixture.		
12.6. Other adverse effects	Not available.		

### SECTION 13: Disposal considerations

13.1. Waste treatment metho	ods
Residual waste	Not available.
Contaminated packaging	Not available.
EU waste code	Not available.
Disposal methods/information	Do not allow this material to drain into sewers/water supplies. Dispose of waste material according to Local, State, Federal, and Provincial Environmental 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.

## SECTION 14: Transport information

#### ADR

Not regulated as dangerous goods.

#### \_ \_ \_ \_

RID

Not regulated as dangerous goods.

#### ADN

Not regulated as dangerous goods.

#### IATA

Not regulated as dangerous goods.

#### IMDG

Not regulated as dangerous goods.

### SECTION 15: Regulatory information

**15.1.** Safety, health and environmental regulations/legislation specific for the substance or mixture EU regulations

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I Not listed. Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex II Not listed. Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended Not listed. Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 1 as amended Not listed. Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 2 as amended Not listed. Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 3 as amended Not listed. Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex V as amended Not listed. Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry Not listed. Regulation (EC) No. 1907/2006, REACH Article 59(1) Candidate List as currently published by ECHA Not listed. **Authorizations** Regulation (EC) No. 143/2011 Annex XIV Substances Subject to Authorization Not listed. **Restrictions on use** Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended AMMONIUM NITRATE (AN) (CAS 6484-52-2) Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work Not regulated. Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breastfeeding Not regulated. **Other EU regulations** Directive 96/82/EC (Seveso II) on the control of major-accident hazards involving dangerous substances Not regulated. Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work Not regulated. Directive 94/33/EC on the protection of young people at work Not regulated. Other 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. **National regulations** Not available. 15.2. Chemical Safety Not available. Assessment SECTION 16: Other information References Not available. Full text of any statements or R7 May cause fire. **R-phrases and H-statements** R8 Contact with combustible material may cause fire. under Sections 2 to 15 R21/22 Harmful in contact with skin and if swallowed.

R36 Irritating to eves.

R38 Irritating to skin.

environment.

R41 Risk of serious damage to eyes.

R36/37/38 Irritating to eyes, respiratory system and skin.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic

	<ul> <li>H312 Harmful in contact with skin.</li> <li>H315 Causes skin irritation.</li> <li>H318 Causes serious eye damage.</li> <li>H319 Causes serious eye irritation.</li> <li>H335 May cause respiratory irritation.</li> <li>H411 Toxic to aquatic life with long lasting effects.</li> </ul>
<b>Revision information</b>	None.
Training information	Not available.
Disclaimer	This Safety Data Sheet document is provided without charge to customers of Hewlett-Packarc 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 prepared to the requirements of the jurisdiction specified in Section 1 above and may not meet regulatory requirements in other countries.
Manufacturer information	Hewlett-Packard Company 3000 Hanover Street Palo Alto, California 94304-1112 US (Direct) 1-503-494-7199 (Toll-free within the US) 1-800-457-4209

### **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