

invent			
1. Product and Company	Identification		
Identification of the preparation	CB334Series		
Product use	Inkjet printing		
Version #	11		
Revision date	12-Nov-2012		
CAS #	Mixture		
Company identification	Hewlett-Packard Company 3000 Hanover Street Palo Alto, CA 94304-1185 United States Telephone 650-857-1501		
	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		
2. Hazards Identification	ı — — — — — — — — — — — — — — — — — — —		
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.		
Eye contact	<i>2-pyrrolidone</i> Contact with eyes may result in irritation. <i>Isopropyl Alcohol</i> Contact with eyes may result in severe irritation.		
Inhalation	<i>2-pyrrolidone</i> Inhalation may result in respiratory irritation. <i>Isopropyl Alcohol</i> Inhalation may cause drowsiness or dizziness.		
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	Carbon black is classified by the IARC as a Group 2B carcinogen (the substance is possibly carcinogenic to humans). Carbon black in this preparation, due to its bound form, does not present this carcinogenic risk. None of the other ingredients in this preparation are classified as carcinogens according to ACGIH, EU, IARC, MAK, NTP or OSHA.		

Components			CAS #	Percent
Water			7732-18-5	< 80
2-pyrrolidone			616-45-5	< 15
Carbon black			1333-86-4	< 5
Isopropyl Alcohol			67-63-0	< 2.5
Composition comments			mulation. eria specified in 29 CFR 19	10.1200 (Hazard
	Carbon black is pres	ent only in a bound for	m in this preparation.	
4. First Aid Measures				
First aid procedures				
Eye contact			rge amounts of clean, war ved. If irritation persists go	m water (low pressure) for a et medical attention.
Skin contact	Wash affected areas attention.	thoroughly with mild s	soap and water. If irritation	n persists get medical
Inhalation	Move to fresh air. If	symptoms persist, get	medical attention.	
Ingestion	If ingestion of a larg	e amount does occur,	seek medical attention.	
General advice	No additional inform	ation		
5. Fire Fighting Measure	S			
Flammable properties	None known.			
Extinguishing media Suitable extinguishing media	CO2, water, dry che	nical, or foam		
Unsuitable extinguishing media	None known.			
Specific methods	None established.			
Hazardous combustion products	Refer to section 10.			
6. Accidental Release Me	easures			
Personal precautions	Wear appropriate pe	rsonal protective equip	oment.	
Environmental precautions	Do not let product e	nter drains. Do not flus	h into surface water or sa	nitary sewer system.
Methods for containment			sible. Absorb with inert abs ts, or recover using pumps	orbent such as dry clay, san
Methods for cleaning up	Soak up with inert a	bsorbent material.		
Other information		spose of in compliance	vly vacuum or sweep the r with federal, state, and loo	naterial into a bag or other cal regulations. See also
7. Handling and Storage				
Handling	Avoid contact with s	kin, eyes and clothing.		
Storage	Keep out of the read	h of children. Keep aw	ay from excessive heat or	cold.
8. Exposure Controls / P	ersonal Protection	on		
Occupational exposure limits ACGIH		-		
Components		Туре	Value	Form
Carbon black (1333-86-4)		TWA	3.0000 mg/m3	Inhalable fraction.
Isopropyl Alcohol (67-63-0)		BEI STEL	40.0000 mg/l 400.0000 ppm	

TWA 200.0000 ppm U.S OSHA Type Value Lsopropyl Alcohol (67-63-0) PEL 400.0000 ppm 980.0000 mg/m3 U.S Tennessee Type Value Carbon black (1333-86-4) TWA 3.5000 mg/m3 Lsopropyl Alcohol (67-63-0) STEL 500.0000 ppm 1225.0000 TWA 3.5000 mg/m3 Exposure guidelines Exposure limits have not been established for this product. Engineering controls Use in a well ventilated area. Personal protective equipment General hygiene considerations General Hygiene considerations Use personal protective equipment to minimize exposure to skin and eye. 9. Physical & Chemical Properties Appearance Appearance Not available. Color Black: Odor Not available. physical state Liquid Form Not available. Physical state Not available. point 7.8 Metting point Not available. Phase point Not available. Physical state Not available. Physical state Not available. Point 7.3 Metting point Not available. Physical state Not available. <	Components		Туре	Value Form			
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Viscosity	2 cp				
Bulk density	1 gm/ml				
VOC	Not available.				
Other information	For other VOC regulatory data/information see section 15.				
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 Informa	ation				
Carcinogenicity	Carbon black is classified as a carcinogen by the IARC (possibly carcinogenic to humans, Gro 2B) and by the State of California under Proposition 65. In their evaluations of carbon black, both organizations indicate that exposure to carbon black, per se, does not occur when it remains bound within a product matrix, specifically, rubber, ink, or paint.				
ACGIH Carcinogens					
Carbon black (CAS 1333-8	A3 Confirmed animal carcinogen with unknown relevance to humans.				
Isopropyl Alcohol (CAS 67 IARC Monographs. Overall					
Carbon black (CAS 1333-8	36-4) 2B Possibly carcinogenic to humans.				
IARC Monographs: Eviden	ce of carcinogenicity in humans				
Carbon black (CAS 1333-8	36-4) Inadequate data.				
Serious eye damage/eye irritation	Not available.				
Symptoms and target organs					
Target Organs (NIOSH)					
Carbon black (CAS 1333-8					
Isopropyl Alcohol (CAS 67	Pespiratory system P-63-0) Eyes				
	Respiratory system Skin				
Further information	Complete toxicity data are not available for this specific formulation. Refer to Section 2 for potential health effects and Section 4 for first aid measures.				
12. Ecological Informatio	n				
Aquatic toxicity	LC50/96h/Fathead minnows =>750 mg/L				
Persistence and degradability	Not available.				
Partition coefficient	Not determined				
12 Disposal Consideratio					
13. Disposal Consideration Disposal instructions	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.				
14. Transport Informatio	n				
Further information	Not a dangerous good under DOT, IATA, ADR, IMDG, or RID. No ignition, sustained combustion, or flashing detected, using the Sustained Combustibility Test prescribed in the UN Manual of Tests and Criteria, Part III subsection 32.5.2. Refer to Dangerous Goods Regulations Section 3.3.1.3. No ignition, sustained combustion or flashing detected using the sustained combustibility test (method in US CFR173, Appendix H).				

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

RID

Not regulated as dangerous goods.

15. Regulatory Information

US federal regulations				US TSCA 12(b): Does not contain listed chemicals.	

DEA Exempt Chemical Mixtures Code Number

Not regulated. Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c)) Not regulated. Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and Chemical Code Number

Not listed.

CERCLA (Superfund) reportable quantity

None

Occupational Safety and Health Administration (OSHA)

29 CFR 1910.1200 Yes hazardous chemical

Superfund Amendments and Reauthorization Act of 1986 (SARA)

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

Section 311 hazardous No chemical

State regulations

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

Carbon black (CAS 1333-86-4)

Listed: February 21, 2003 Carcinogenic.

US - New Jersey RTK - Substances: Listed substance

Carbon black (CAS 1333-86-4) Isopropyl Alcohol (CAS 67-63-0) Listed. Listed.

Listed. Listed. Listed.

US. Massachusetts RTK - Substance List

2-pyrrolidone (CAS 616-45-5) Carbon black (CAS 1333-86-4) Isopropyl Alcohol (CAS 67-63-0)

US. New Jersey Worker and Community Right-to-Know Act

Not regulated.

US. Pennsylvania RTK - Hazardous Substances 2-pyrrolidone (CAS 616-45-5)

Carbon black (CAS 1333-86-4)
Isopropyl Alcohol (CAS 67-63-0)

US. Rhode Island RTK

Carbon black (CAS 1333-86-4) Isopropyl Alcohol (CAS 67-63-0)

Regulatory information

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.

Other information

Specific Provisions: Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC (in the amended version OJ L 396 from 29.05.2007 page 3 with further rectifications and amendments). Exposure Limits (See Section 8): Executive regulation of Minister of Labour and Social Policy dated Nov. 29, 2002 concerning the highest exposure limits and volume of factors harmful for health and environment at work (Official Journal of Laws no 217/2002 item 1833 with further amendments).

16. Other Information	
Other information	This MSDS was prepared in accordance with USA OSHA Hazard Communications regulation (29 CFR 1910.1200).
HMIS® ratings	Health: 1 Flammability: 2 Physical hazard: 0
NFPA ratings	Health: 1 Flammability: 2 Instability: 0
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 prepared to the requirements of the jurisdiction specified in Section 1 above and may not meet regulatory requirements in other countries.
Issue date	12-Nov-2012
This data sheet contains changes from the previous version in section(s):	Product and Company Identification: Alternate Trade Names
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