CB305Series[Y][3]-MSDS_RUSSIA-English-08.pdf

CB305Series[C][3]-MSDS_RUSSIA-English-06.pdf

CB305Series[M][3]-MSDS_RUSSIA-English-07.pdf

MATERIAL SAFETY DATA SHEET

1. Product and company identification

Product name CB305Series[Y][3]

Recommended use Inkjet printing

Limitations on use Not available.

Issue date 31-May-2015

Version # 01

Company identification Hewlett-Packard AO
Leningradskoe shosse, 16a, bld 3
125171, Moscow
Telephone 7 495 797-3500

Hewlett-Packard health effects line
(Toll-free within the US) 1-800-457-4209
(Direct) 1-760-710-0048
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

Hazard classification

Physical hazards Not classified.

Health hazards Not classified.

Environmental hazards Not classified.

Label elements

Symbols None.

Signal word None.

Hazard statement Not available.

Precautionary statement

Prevention Not available.

Response Not available.

Storage Not available.

Disposal Not available.

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

3. Composition/information on ingredients

Substance or mixture Mixture

Chemical property	CAS Number	Concentration (%)
Water	7732-18-5	75-85
Substituted naphthalenesulfonate salt # 13	Proprietary	<5
2-pyrrolidone	616-45-5	<5
Ethyl alkyldiol	Proprietary	<5
Tetraethylene glycol	112-60-7	<5
Alkyldiol ethoxylate	Proprietary	<2.5

Composition comments This ink supply contains an aqueous ink formulation.

4. First aid measures

First aid measures for different exposure routes

Inhalation Remove to fresh air. If symptoms persist, get medical attention.

Ingestion	If ingestion of a large amount does occur, seek 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.
Most important symptoms and effects	Not available.
Notes to physician	Not available.

5. Fire-fighting measures

Flash point	>= 200.0 °F (>= 93.3 °C) Pensky-Martens Closed Cup
General fire hazards	Not available.
Suitable extinguishing media	Dry chemical, CO2, water spray or regular foam.
Unsuitable extinguishing media	None known.
Specific hazards during fire fighting	None.
Special fire fighting procedures	None.
Personal protective equipment for fire-fighting	None.
Specific methods	None established.

6. Accidental release measures

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.
Clean-up methods and materials and containment measures	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.

7. Handling and storage

Handling

Safe handling advice	Avoid contact with skin, eyes and clothing.

Storage

Technical measures	Keep out of the reach of children. Keep away from excessive heat or cold.
Incompatible materials	Not available.

8. Exposure controls/personal protection

Occupational exposure limits

Russian Federation. Hygiene Norm GN 2.2.5.1313-03. Executive No. 76 of 30 April 2003. Maximum allowable concentration (MAC) of harmful substances in the air of working zones, as amended.

Components	Type	Value	Form
2-pyrrolidone (CAS 616-45-5)	Ceiling	10 mg/m3	Aerosol.
Ethyl alkyldiol (CAS Proprietary)	Ceiling	50 mg/m3	Vapor.
Tetraethylene glycol (CAS 112-60-7)	Ceiling	10 mg/m3	Vapor and aerosol.

Personal protective equipment

General	Use personal protective equipment to minimize exposure to skin and eye.
Engineering measures	Use in a well ventilated area.

Personal protective equipment

Respiratory protection	Not available.
Hand protection	Not available.
Eye protection	Not available.
Skin and body protection	Not available.

9. Physical and chemical properties

Appearance

Physical state	Not available.
Color	Yellow
Odor	Not available.
Odor threshold	Not available.
pH	6.2 - 6.8
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not determined
Flash point	>= 200.0 °F (>= 93.3 °C) Pensky-Martens Closed Cup
Heat of combustion	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not determined
Flammability limit - upper (%)	Not available.
Vapor pressure	Not determined
Viscosity	>= 2 cp
Solubility	Soluble in water
Partition coefficient (n-octanol/water)	Not available.
Other data	
Evaporation rate	Not determined
VOC (Weight %)	< 24 g/l

10. Stability and reactivity

Stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Will not occur.
Conditions to avoid	None.
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.

11. Toxicological information

Acute toxicity	Based on available data, the classification criteria are not met.
Skin corrosion/irritation	Based on available data, the classification criteria are not met.
Serious eye damage/eye irritation	Based on available data, the classification criteria are not met.
Respiratory sensitization	Based on available data, the classification criteria are not met.
Skin sensitization	Based on available data, the classification criteria are not met.
Germ cell mutagenicity	Based on available data, the classification criteria are not met.
Carcinogenicity	Based on available data, the classification criteria are not met.

Russian Federation. Sanitary-Epidemiological Rules,1.2.2353-08, Chemical substances, mixtures and products which are carcinogenic factors, 21 April 2008

Not listed.

Toxic to reproduction	Based on available data, the classification criteria are not met.
Specific target organ toxicity - single exposure	Based on available data, the classification criteria are not met.
Specific target organ toxicity - repeated exposure	Based on available data, the classification criteria are not met.
Aspiration hazard	Based on available data, the classification criteria are not met.
Other 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.

Components	Species	Test Results
2-pyrrolidone (CAS 616-45-5)		
Acute		
Oral		
LD50	Guinea pig	6500 mg/kg
	Rat	6500 mg/kg
Tetraethylene glycol (CAS 112-60-7)		
Acute		
Dermal		
LD50	Rabbit	22570 mg/kg
Oral		
LD50	Rat	32700 mg/kg
		29 g/kg

12. Ecological information

Aquatic toxicity Static acute toxicity (trout), survival (100 mg/L) = 100%
Static acute toxicity (trout), survival (10 mg/L) = 100%

Persistence and degradability Not available.

Bioaccumulation

Bioaccumulative potential

Octanol/water partition coefficient log Kow

2-pyrrolidone -0.85

Mobility in soil Not available.

Other hazardous effects Not available.

Ecotoxicological data

Product		Species	Test Results
CB305Series[Y][3] (CAS Mixture)			
Aquatic			
Fish	LC50	Fish	400, 96 Hours
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
Ethyl alkyldiol (CAS Proprietary)			
Aquatic			
Crustacea	EC50	Daphnia	102, 48 Hours
Fish	LC50	Fish	1000, 96 Hours

13. Disposal considerations

Local disposal regulations 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 information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

ADR

Not regulated as dangerous goods.

Further information Not a dangerous good under DOT, IATA, ADR, IMDG, or RID.

15. Regulatory information

Applicable 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.

Russian Federation. Sanitary-Epidemiological Rules,1.2.2353-08, Chemical substances, mixtures and products which are carcinogenic factors, 21 April 2008

Not listed.

Ministry of Health and Social Development of Russian Federation. Order № 83 of 16.08.2004. List of hazardous and/or dangerous production factors and work under which preliminary and periodic medical examinations are conducted, methods of the examinations.

Not listed.

Hygiene Norm GN 2.2.5.1313-03. Executive No. 76 of 30 April 2003. Maximum allowable concentration (MAC) of harmful substances in the air of working zones, as amended.

2-pyrrolidone (CAS 616-45-5)	Listed.
Ethyl alkyldiol (CAS Proprietary)	Listed.
Tetraethylene glycol (CAS 112-60-7)	Listed.

Labeling

Contains 2-pyrrolidone, Alkyldiol ethoxylate, Ethyl alkyldiol, Substituted naphthalenesulfonate salt # 13, Tetraethylene glycol, Water

16. Other information

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.

Issue date 31-May-2015

Version # 01

Manufacturer information Hewlett-Packard Company
3000 Hanover Street
Palo Alto, California 94304-1112 US
Direct 1-650-857-5020

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

MATERIAL SAFETY DATA SHEET

1. Product and company identification

Product name CB305Series[C][3]

Recommended use Inkjet printing

Limitations on use Not available.

Issue date 30-May-2015

Version # 01

Company identification Hewlett-Packard AO
Leningradskoe shosse, 16a, bld 3
125171, Moscow
Telephone 7 495 797-3500

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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

Hazard classification

Physical hazards Not classified.

Health hazards Not classified.

Environmental hazards Not classified.

Label elements

Symbols None.

Signal word None.

Hazard statement Not available.

Precautionary statement

Prevention Not available.

Response Not available.

Storage Not available.

Disposal Not available.

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

3. Composition/information on ingredients

Substance or mixture Mixture

Chemical property	CAS Number	Concentration (%)
Water	7732-18-5	75-85
1-(2-hydroxyethyl)-2-pyrrolidone	3445-11-2	<2.5
1,5-pentanediol	111-29-5	<5
Substituted phthalocyanine salt #5	Proprietary	<5
Phenylenediamine derivative	Proprietary	<2.5

Composition comments This ink supply contains an aqueous ink formulation.

4. First aid measures

First aid measures for different exposure routes

Inhalation Remove to fresh air. If symptoms persist, get medical attention.

Ingestion If ingestion of a large amount does occur, seek 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.
Most important symptoms and effects	Not available.
Notes to physician	Not available.

5. Fire-fighting measures

Flash point	>= 200.0 °F (>= 93.3 °C) Pensky-Martens Closed Cup
General fire hazards	Not available.
Suitable extinguishing media	Dry chemical, CO2, water spray or regular foam.
Unsuitable extinguishing media	None known.
Specific hazards during fire fighting	None.
Special fire fighting procedures	None.
Personal protective equipment for fire-fighting	None.
Specific methods	None established.

6. Accidental release measures

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.
Clean-up methods and materials and containment measures	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.

7. Handling and storage

Handling

Safe handling advice	Avoid contact with skin, eyes and clothing.

Storage

Technical measures	Keep out of the reach of children. Keep away from excessive heat or cold.
Incompatible materials	Not available.

8. Exposure controls/personal protection

Occupational exposure limits

Personal protective equipment

General	Use personal protective equipment to minimize exposure to skin and eye.
Engineering measures	Use in a well ventilated area.

Personal protective equipment

Respiratory protection	Not available.
Hand protection	Not available.
Eye protection	Not available.
Skin and body protection	Not available.

9. Physical and chemical properties

Appearance

Physical state	Not available.
Color	Cyan
Odor	Not available.
Odor threshold	Not available.
pH	6.2 - 6.8
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not determined
Flash point	>= 200.0 °F (>= 93.3 °C) Pensky-Martens Closed Cup

Heat of combustion	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not determined
Flammability limit - upper (%)	Not available.
Vapor pressure	Not determined
Viscosity	>= 2 cp
Solubility	Soluble in water
Partition coefficient (n-octanol/water)	Not available.
Other data	
Evaporation rate	Not determined
VOC (Weight %)	< 21 g/l

10. Stability and reactivity

Stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Will not occur.
Conditions to avoid	None.
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.

11. Toxicological information

Acute toxicity	Based on available data, the classification criteria are not met.
Skin corrosion/irritation	Based on available data, the classification criteria are not met.
Serious eye damage/eye irritation	Based on available data, the classification criteria are not met.
Respiratory sensitization	Based on available data, the classification criteria are not met.
Skin sensitization	Based on available data, the classification criteria are not met.
Germ cell mutagenicity	Based on available data, the classification criteria are not met.
Carcinogenicity	Based on available data, the classification criteria are not met.

Russian Federation. Sanitary-Epidemiological Rules,1.2.2353-08, Chemical substances, mixtures and products which are carcinogenic factors, 21 April 2008

Not listed.

Toxic to reproduction	Based on available data, the classification criteria are not met.
Specific target organ toxicity - single exposure	Based on available data, the classification criteria are not met.
Specific target organ toxicity - repeated exposure	Based on available data, the classification criteria are not met.
Aspiration hazard	Based on available data, the classification criteria are not met.
Other 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 information

Aquatic toxicity	Static acute toxicity (trout), survival (100 mg/L) = 100% Static acute toxicity (trout), survival (10 mg/L) = 100%
Persistence and degradability	Not available.
Bioaccumulation	Not available.
Mobility in soil	Not available.
Other hazardous effects	Not available.

Ecotoxicological data

Product		Species	Test Results
CB305Series[C][3] (CAS Mixture)			
Aquatic			
Acute			
Fish	LC50	Fathead minnow (Pimephales promelas)	< 400 mg/l, 96 hours

13. Disposal considerations

Local disposal regulations 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 information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

ADR

Not regulated as dangerous goods.

Further information Not a dangerous good under DOT, IATA, ADR, IMDG, or RID.

15. Regulatory information

Applicable 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.

Russian Federation. Sanitary-Epidemiological Rules,1.2.2353-08, Chemical substances, mixtures and products which are carcinogenic factors, 21 April 2008

Not listed.

Ministry of Health and Social Development of Russian Federation. Order № 83 of 16.08.2004. List of hazardous and/or dangerous production factors and work under which preliminary and periodic medical examinations are conducted, methods of the examinations.

Not listed.

Hygiene Norm GN 2.2.5.1313-03. Executive No. 76 of 30 April 2003. Maximum allowable concentration (MAC) of harmful substances in the air of working zones, as amended.

Not listed.

Labeling

Contains 1-(2-hydroxyethyl)-2-pyrrolidone, 1,5-pentanediol, Phenylenediamine derivative, Substituted phthalocyanine salt #5, Water

16. Other information

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 30-May-2015

Version # 01

Manufacturer information Hewlett-Packard Company
3000 Hanover Street
Palo Alto, California 94304-1112 US
Direct 1-650-857-5020

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

MATERIAL SAFETY DATA SHEET

1. Product and company identification

Product name CB305Series[M][3]

Recommended use Inkjet printing

Limitations on use Not available.

Issue date 30-May-2015

Version # 01

Company identification Hewlett-Packard AO
Leningradskoe shosse, 16a, bld 3
125171, Moscow
Telephone 7 495 797-3500

Hewlett-Packard health effects line
(Toll-free within the US) 1-800-457-4209
(Direct) 1-760-710-0048
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

Hazard classification

Physical hazards	Not classified.	
Health hazards	Serious eye damage/eye irritation	Category 1
Environmental hazards	Chronic aquatic toxicity	Category 3

Label elements

Signal word Danger

Hazard statement Causes serious eye damage. Harmful to aquatic life with long lasting effects.

Precautionary statement

Prevention P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P273 - Avoid release to the environment.

Response P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 - Immediately call a POISON CENTER or doctor/physician.

Storage Not available.

Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.

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

3. Composition/information on ingredients

Substance or mixture Mixture

Chemical property	CAS Number	Concentration (%)
Water	7732-18-5	75-85
2-pyrrolidone	616-45-5	<7.5
Pyridine azo dye	Proprietary	<5
1,5-pentanediol	111-29-5	<2.5
Alkyldiol ethoxylate	Proprietary	<2.5

Composition comments This ink supply contains an aqueous ink formulation.

4. First aid measures

First aid measures for different exposure routes

Inhalation	Remove to fresh air. If symptoms persist, get medical attention.
Ingestion	If ingestion of a large amount does occur, seek 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.
Most important symptoms and effects	Not available.
Notes to physician	Not available.

5. Fire-fighting measures

Flash point	>= 200.0 °F (>= 93.3 °C) Pensky-Martens Closed Cup
General fire hazards	Not available.
Suitable extinguishing media	Dry chemical, CO2, water spray or regular foam.
Unsuitable extinguishing media	None known.
Specific hazards during fire fighting	None.
Special fire fighting procedures	None.
Personal protective equipment for fire-fighting	None.
Specific methods	None established.

6. Accidental release measures

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.
Clean-up methods and materials and containment measures	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.

7. Handling and storage

Handling

Safe handling advice	Avoid contact with skin, eyes and clothing.

Storage

Technical measures	Keep out of the reach of children. Keep away from excessive heat or cold.
Incompatible materials	Not available.

8. Exposure controls/personal protection

Occupational exposure limits

Russian Federation. Hygiene Norm GN 2.2.5.1313-03. Executive No. 76 of 30 April 2003. Maximum allowable concentration (MAC) of harmful substances in the air of working zones, as amended.

Components	Type	Value	Form
2-pyrrolidone (CAS 616-45-5)	Ceiling	10 mg/m3	Aerosol.

Personal protective equipment

General	Use personal protective equipment to minimize exposure to skin and eye.

Engineering measures Use in a well ventilated area.

Personal protective equipment

Respiratory protection	Not available.
Hand protection	Not available.
Eye protection	Not available.
Skin and body protection	Not available.

9. Physical and chemical properties

Appearance

Physical state	Not available.
Color	Magenta
Odor	Not available.
Odor threshold	Not available.
pH	6.2 - 6.8
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not determined
Flash point	>= 200.0 °F (>= 93.3 °C) Pensky-Martens Closed Cup
Heat of combustion	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not determined
Flammability limit - upper (%)	Not available.
Vapor pressure	Not determined
Viscosity	>= 2 cp
Solubility	Soluble in water
Partition coefficient (n-octanol/water)	Not available.
Other data	
Evaporation rate	Not determined
VOC (Weight %)	< 26 g/l

10. Stability and reactivity

Stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Will not occur.
Conditions to avoid	None.
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.

11. Toxicological information

Acute toxicity	Based on available data, the classification criteria are not met.
Skin corrosion/irritation	Based on available data, the classification criteria are not met.
Serious eye damage/eye irritation	Causes serious eye damage.
Respiratory sensitization	Based on available data, the classification criteria are not met.
Skin sensitization	Based on available data, the classification criteria are not met.
Germ cell mutagenicity	Based on available data, the classification criteria are not met.
Carcinogenicity	Based on available data, the classification criteria are not met.

Russian Federation. Sanitary-Epidemiological Rules,1.2.2353-08, Chemical substances, mixtures and products which are carcinogenic factors, 21 April 2008

Not listed.

Toxic to reproduction	Based on available data, the classification criteria are not met.
Specific target organ toxicity - single exposure	Based on available data, the classification criteria are not met.
Specific target organ toxicity - repeated exposure	Based on available data, the classification criteria are not met.
Aspiration hazard	Based on available data, the classification criteria are not met.
Other 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.

Components	Species	Test Results
2-pyrrolidone (CAS 616-45-5)		
Acute		
Oral		
LD50	Guinea pig	6500 mg/kg
	Rat	6500 mg/kg

12. Ecological information

Aquatic toxicity Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Static acute toxicity (trout), survival (100 mg/L) = 100% Static acute toxicity (trout), survival (10 mg/L) = 100%

Persistence and degradability Not available.

Bioaccumulation

Bioaccumulative potential

Octanol/water partition coefficient log Kow

2-pyrrolidone	-0.85

Mobility in soil Not available.

Other hazardous effects Not available.

Ecotoxicological data

Product		Species	Test Results
CB305Series[M][3] (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

13. Disposal considerations

Local disposal regulations 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 information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

ADR

Not regulated as dangerous goods.

Further information Not a dangerous good under DOT, IATA, ADR, IMDG, or RID.

15. Regulatory information

Applicable 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.

Russian Federation. Sanitary-Epidemiological Rules,1.2.2353-08, Chemical substances, mixtures and products which are carcinogenic factors, 21 April 2008

Not listed.

Ministry of Health and Social Development of Russian Federation. Order № 83 of 16.08.2004. List of hazardous and/or dangerous production factors and work under which preliminary and periodic medical examinations are conducted, methods of the examinations.

Not listed.

Hygiene Norm GN 2.2.5.1313-03. Executive No. 76 of 30 April 2003. Maximum allowable concentration (MAC) of harmful substances in the air of working zones, as amended.

2-pyrrolidone (CAS 616-45-5) Listed.

Labeling

Contains 1,5-pentanediol, 2-pyrrolidone, Alkyldiol ethoxylate, Pyridine azo dye, Water

16. Other information

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.

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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