

SAFETY DATA SHEET

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

	-	
1.1. Product identifier		
Trade name or	C4907 Series	
designation of the mixture		
Registration number	-	
Synonyms	None.	
Issue date	20-May-2015	
Version number	03	
Revision date	21-May-2016	
Supersedes date	01-Sep-2015	
1.2. Relevant identified uses o	f the substance or mixture and uses advised against	
Identified uses	Inkjet printing	
Uses advised against	None known.	
Company identification	HP Inc UK Limited	
	Cain Rd., Amen Corner, Pt 2nd Floor (Bldg BRA03)	
	Bracknell, United Kingdom RG12 1HN	
	Telephone 44 (0) 879 013 0790	
	HP Inc. health effects line	
	(Toll-free within the US) 1-800-457-4209	
	(Direct) 1-760-710-0048	
	HP Inc. 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 Regulation (EC) No 1272/2008 as amended

This mixture does not meet the criteria for classification according to Regulation (EC) 1272/2008 as amended.

2.2. Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

Contains:	1-(2-hydroxyethyl)-2-pyrrolidone, 2-pyrrolidone, Water
Hazard pictograms	None.
Signal word	None.
Hazard statements	The mixture does not meet the criteria for classification.
Precautionary statements	
Prevention	Not available.
Response	Not available.
Storage	Not available.
Disposal	Not available.
Supplemental label information	Contains 1,2-Benzisothiazolin-3-one. May produce an allergic reaction.
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

General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
Water	70-85	7732-18-5 231-791-2	-	-	
Classification: -					
1-(2-hydroxyethyl)-2-pyrrolidone	< 10	3445-11-2 222-359-4	01-2119977089-21-XXXX	-	
Classification: -					
2-pyrrolidone	< 7.5	616-45-5 210-483-1	01-2119475471-37-XXXX	-	
Classification: Eye Irrit. 2	;H319				

Composition comments

This ink supply contains an aqueous ink formulation.

SECTION 4: First aid measures

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. 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	Not available.		

needed

SECTION 5: Firefighting measures

General fire hazards	Not available.
5.1. Extinguishing media	
Suitable extinguishing media	CO2, water, dry chemical, or foam
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.
Specific methods	Wear self contained breathing apparatus for fire fighting if necessary.

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	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.				
containment and cleaning up 6.4. Reference to other	or diatomace	•	cial sorbents, or re	cover using pumps.	
sections	Not available.				
SECTION 7: Handling and	l storage				
7.1. Precautions for safe handling	Avoid contac	t with skin, eyes an	d clothing.		
7.2. Conditions for safe storage, including any incompatibilities	Keep out of t	the reach of childrer	n. Keep away from	excessive heat or c	old.
7.3. Specific end use(s)	Not available				
SECTION 8: Exposure co	ntrols/pers	sonal protection	on		
8.1. Control parameters					
Occupational exposure limits	No exposure	limits noted for ing	redient(s).		
Biological limit values	•	exposure limits not		ent(s).	
Recommended monitoring procedures	Not available	•	J		
Derived no-effect level (DNEL) Components		Туре	Route	Value	Form
2-pyrrolidone (CAS 616-45-5)		Consumers	Dermal	6 mg/kg bw/d	Systemic long term
		consumers	Dermal	167 mg/kg bw/d	Systemic acute short terr
			Inhalation	17.1 mg/m3	Systemic long term
			Oral	5.2 mg/kg bw/d	Systemic long term
			Oral	33.3 mg/kg bw/d	Systemic acute short terr
		Workers	Dermal	277 mg/kg bw/d	Systemic acute short terr
			Dermal	10 mg/kg bw/d	Systemic long term
			Inhalation	57.8 mg/m3	Systemic long term
Predicted no effect concentration	ione (DNECe)			5	-,
Components		Туре	Route	Value	Form
2-pyrrolidone (CAS 616-45-5)		Not applicable	Freshwater	0.5 mg/l	
			Intermittant	0.5 mg/l	Releases
			Marine water	0.05 mg/l	
			Sediment	0.4205 mg/kg	Freshwater
			Soil	0.0612 mg/kg	
			STP	10 mg/l	Sewage Treatment Plant
Exposure guidelines	Exposure lim	its have not been e	stablished for this	product.	
8.2. Exposure controls					
Appropriate engineering controls	Use in a well	ventilated area.			
Individual protection measures	s, such as pe	rsonal protective	equipment		
General information		=		osure to skin and e	ye.
Eye/face protection	Not available				
Skin protection					
- Hand protection	Not available.				
- Other	Not available				
Respiratory protection	Not available				
Thermal hazards	Not available				
			industrial hydiene	and safety practice.	
Hygiene measures					

9.1. Information on basic physical and chemical properties Appearance

ColorCyanOdorNot available.Odor thresholdNot available.
Odor threshold Not available.
pH 8.7 - 9.1
Melting point/freezing point Not available.
Initial boiling point and Not determined boiling range
Flash point> 200.0 °F (> 93.3 °C) Setaflash Closed Cup
Evaporation rate Not determined
Flammability (solid, gas) Not available.
Upper/lower flammability or explosive limits
Flammability limit - lower Not determined (%)
Flammability limit - Not available. upper (%)
Vapor pressure Not determined
Solubility(ies)
Solubility (water) Soluble in water
Solubility (other) Not available.
Partition coefficient Not available. (n-octanol/water)
Auto-ignition temperature Not determined
Decomposition temperature Not available.
Viscosity >= 3 cP
Explosive properties Not available.
Oxidizing properties Not determined
9.2. Other information
VOC (Weight %) < 307 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 decomposition products	Upon decomposition, this product may yield gaseous nitrogen oxides, carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. Decomposition of this product may yield oxides of phosphorus. hydrogen fluoride fluorinated hydrocarbons

SECTION 11: Toxicological information

General information Not available.

11.1. Information on toxicological effects

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.
Reproductive toxicity	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.			
Components	Species		Test Results	
2-pyrrolidone (CAS 616-45-5)				
Acute				
Oral				
LD50	Guinea pig		6500 mg/kg	
	Rat		6500 mg/kg	
Mixture versus substance information	Not available.			
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.		
SECTION 12: Ecological	information	l		
Aquatic toxicity	This product I	nas not been tested for ecological	l effects.	
12.1. Toxicity		5		
Components		Species	Test Results	
2-pyrrolidone (CAS 616-45-5)		•		
Aquatic				
Crustacea	EC50	Water flea (Daphnia pulex)	13.21 mg/l, 48 hours	
12.2. Persistence and degradability	Not available.			
12.3. Bioaccumulative potential	Not available.			
Partition coefficient				
n-octanol/water (log Kow)		0.05		
2-pyrrolidone	Niek al. 1944	-0.85		
Bioconcentration factor (BCF)				
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 co	onsideratior	IS		
13.1. Waste treatment method	ds			
Residual waste	Not available.			
Contaminated packaging	Not available.			
EU waste code	Not available.			
Disposal methods/information		this material to drain into sewers/ aste material according to Local, S	water supplies. State, Federal, and Provincial Environmental	

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

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.

Regulations.

SECTION 15: Regulatory information

SECTION 15: Regulatory	r information
15.1. Safety, health and envir	onmental regulations/legislation specific for the substance or mixture
EU regulations	
Regulation (EC) No. 1005 Not listed.	/2009 on substances that deplete the ozone layer, Annex I
	/2009 on substances that deplete the ozone layer, Annex II
	2004 On persistent organic pollutants, Annex I as amended
Regulation (EC) No. 689/2 amended	2008 concerning the export and import of dangerous chemicals, Annex I, part 1 as
Not listed. Regulation (EC) No. 689/2 amended	2008 concerning the export and import of dangerous chemicals, Annex I, part 2 as
Not listed. Regulation (EC) No. 689/2 amended	2008 concerning the export and import of dangerous chemicals, Annex I, part 3 as
	2008 concerning the export and import of dangerous chemicals, Annex V as amended
	2006 Annex II Pollutant Release and Transfer Registry
	/2006, REACH Article 59(1) Candidate List as currently published by ECHA
Not listed.	
Authorizations	
Not listed.	2011 Annex XIV Substances Subject to Authorization
Restrictions on use	
Regulation (EC) No. 1907, amended	/2006, REACH Annex XVII Substances subject to restriction on marketing and use as
Not listed. Directive 2004/37/EC: on mutagens at work	the protection of workers from the risks related to exposure to carcinogens and
Not regulated. Directive 92/85/EEC: on t are breastfeeding	he safety and health of pregnant workers and workers who have recently given birth or
Not regulated.	
Other EU regulations	
	so II) on the control of major-accident hazards involving dangerous substances
Not regulated. Directive 98/24/EC on the agents at work	e protection of the health and safety of workers from the risks related to chemical
	e 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.
Other information	This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006.
	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).

Not available.

National regulations

ECTION 16. OH

SECTION 16: Other infor	rmation
References	Not available.
Information on evaluation method leading to the classification of mixture	Not available.
Issue date	20-May-2015
Revision information	None.
Training information	Not available.
Disclaimer	This Safety Data Sheet document is provided without charge to customers of HP. Data is the most current known to HP 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	HP Inc. 1501 Page Mill Road Palo Alto, CA 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

List of abbreviations

Not available.

Safe Use of Mixture Information (SUMI)

Water Based Ink: WB01 *English*

Disclaimer

This SUMI is a generic document for communicating conditions of safe use of a product in response to the REACH obligation. This document relates only to conditions of safe use and is not specific to a product. By adding this SUMI to a specific product SDS, the importer/formulator declares that the mixture can safely be used following the instructions below. Following occupational health legislation, the employer of workers remains responsible for communicating relevant use information to employees. When developing workplace instructions for employees, SUMI Sheets should always be considered in combination with the SDS and the label of the product. Derived No Effect Levels (DNEL) and Predicted No Effect Concentration (PNEC) values of substances derived from the Chemical Safety Assessment (CSA) will be given in section 8 of the SDS.

The REACH registration number(s), where applicable, completes an extended product SDS.

, , , , , , , , , , , , , , , , , , ,	3, where upplicable, completes an extended product 3D3.			
Operational conditions				
Maximum duration	Up to 8 hours per day			
Frequency of exposure	< 240 days per year			
Process conditions	Covers use at ambient temperatures. Adequate ventilation should be provide for the areas where printing is performed. ANSI/ASHRAE Standard 62.1-2013 provides guidelines to ensure acceptable air quality in the workspace. Avoid direct contact. Regular cleaning of equipment and work area. Supervision in place to check that Risk Management Measures are in place are being correctly used and Operational Conditions			
	followed.			
Risk management measures				
Conditions and measures	Wear safety glasses with side shields (or goggles), if splashing is possible.			
related to Personal Protection				
	Wear appropriate chemical resistent gloves: see section 8 of the SDS.			
Equipment, hygiene and	Wear appropriate chemical resistent clothing.			
health evaluation	In case of inadequate ventilation wear respiratory protection.			
	Eye wash fountain and emergency showers are recommended.			
	Avoid breathing mist/vapours.			
	Avoid contact with skin, eyes and clothing.			
	Training of workers in relation to proper use and maintenance of all Personal protection equipment (PPE) must be ensured.			
Good practice advice				
Use personal protective equipme	ent as required.			
Wash hands before breaks and a	after work.			
Keep good industrial hygiene and	d safety practice.			
Use only with adequate ventilati				
Do no eat, drink or smoke when				
Wash contaminated clothing be				
Store at room temperature.				
Environmental measures				
	in intercourse/unitercourselies			
Do not allow this material to dra				
-	ding to Local, State, Federal and Provincial Environmental Regulations.			
	ith appropriately licenced waste contractor.			
Use descriptors				
IS-Use at industrial sites				
PW-Widespread use by profession	onal workers			
SU7-Printing and reproduction n	nedia			
PC18-Inks and Toners				
PROC1-Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions.				
PROC2-Chemical production or r	refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions			
condition PROC8a-Transfer of substance o	tion in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment r mixture (charging and discharging) at non-dedicated facilities r mixture (charging and discharging) at dedicated facilities			
ERC5-Use at industrial site leading				
	io inclusion into/onto article (indoor)			
Additional information on prod				
	s on the label, the classification of the mixture is provided.			
Most of the water based inks are				
	is based on the individuel ingredients and their concentration within the mixture.			
	ne classification are stated in Section 3 of the SDS.			
	nts on which the exposure assessment is based, are listed in section 8 of the SDS.			
	zing ingredients that may cause allergic reaction to certain people.			
Section 2 of the SDS states these				
I	WB01 English.pdf			



SAFETY DATA SHEET

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

1.1. Product identifier				
Trade name or	C4908 Series			
designation of the mixture				
Registration number	-			
Synonyms	None.			
Issue date	11-Mar-2015			
Version number	03			
Revision date	21-May-2016			
Supersedes date	31-Aug-2015			
1.2. Relevant identified uses o	f the substance or mixture and uses advised against			
Identified uses	Inkjet printing			
Uses advised against	None known.			
Company identification	HP Inc UK Limited Cain Rd., Amen Corner, Pt 2nd Floor (Bldg BRA03) Bracknell, United Kingdom RG12 1HN Telephone 44 (0) 879 013 0790			
	HP Inc. health effects line (Toll-free within the US) 1-800-457-4209 (Direct) 1-760-710-0048 HP Inc. 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 Regulation (EC) No 1272/2008 as amended

This mixture does not meet the criteria for classification according to Regulation (EC) 1272/2008 as amended.

2.2. Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

Contains:	1-(2-hydroxyethyl)-2-pyrrolidone, 2-pyrrolidone, Water
Hazard pictograms	None.
Signal word	None.
Hazard statements	The mixture does not meet the criteria for classification.
Precautionary statements	
Prevention	Not available.
Response	Not available.
Storage	Not available.
Disposal	Not available.
Supplemental label information	Contains 1,2-Benzisothiazolin-3-one. May produce an allergic reaction.
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

General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Note
Water	70-85	7732-18-5 231-791-2	-	-	
Classification: -					
1-(2-hydroxyethyl)-2-pyrrolidone	< 10	3445-11-2 222-359-4	01-2119977089-21-XXXX	-	
Classification: -					
2-pyrrolidone	< 7.5	616-45-5 210-483-1	01-2119475471-37-XXXX	-	
Classification: Eye Irrit. 2;F	1319				
2,4,7,9-Tetramethyl-5-decyne-4,7-diol	<1	126-86-3 204-809-1	-	-	
Classification: Skin Sens. 1	B;H317, Ey	e Dam. 1;H318, Eye	e Irrit. 2;H319, Aquatic Chronic	3;H412	

SECTION 4: First aid measures

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. 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	Not available.

SECTION 5: Firefighting measures

General fire hazards	Not available.
5.1. Extinguishing media Suitable extinguishing media	CO2, water, dry chemical, or foam
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.
Specific methods	Wear self contained breathing apparatus for fire fighting if necessary.

SECTION 6: Accidental release measures

6.1. Personal precautions, pro	tective 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	Not available.				
SECTION 7: Handling an	d storage				
7.1. Precautions for safe handling	Avoid contact with skin, eyes and clothing.				

7.2. Conditions for safe Keep out of the reach of children. Keep away from excessive heat or cold. **storage, including any incompatibilities**

7.3. Specific end use(s) Not available.

SECTION 8: Exposure controls/personal protection

8.1. Control	parameters
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Occupational exposure limits	No exposure limits noted for ingredient(s).
Biological limit values	No biological exposure limits noted for the ingredient(s).
Recommended monitoring	Not available.
procedures	

Derived no-effect level (DNEL)

Components	Туре	Route	Value	Form
2,4,7,9-Tetramethyl-5-decyne-4,7-diol (CAS 126-86-3)	Consumers	Dermal	0.75 mg/kg	Systemic short term
		Dermal	0.25 mg/kg	Systemic long term
		Inhalation	1.29 mg/m3	Systemic short term
		Inhalation	0.43 mg/m3	Systemic long term
		Oral	0.75 mg/kg	Systemic short term
		Oral	0.25 mg/kg	Systemic long term
	Workers	Dermal	1.5 mg/kg	Systemic short term
		Dermal	0.5 mg/kg	Systemic long term
		Inhalation	5.28 mg/m3	Systemic short term
		Inhalation	1.76 mg/m3	Systemic long term
2-pyrrolidone (CAS 616-45-5)	Consumers	Dermal	6 mg/kg bw/d	Systemic long term
		Dermal	167 mg/kg bw/d	Systemic acute short ter
		Inhalation	17.1 mg/m3	Systemic long term
		Oral	5.2 mg/kg bw/d	Systemic long term
		Oral	33.3 mg/kg bw/d	Systemic acute short ter
	Workers	Dermal	277 mg/kg bw/d	Systemic acute short ter
		Dermal	10 mg/kg bw/d	Systemic long term
		Inhalation	57.8 mg/m3	Systemic long term
licted no effect concentrations (PNECs)				
Components	Туре	Route	Value	Form
2,4,7,9-Tetramethyl-5-decyne-4,7-diol (CAS 126-86-3)	Not applicable	Freshwater	0.04 mg/l	
		Intermittant	0.4 mg/l	Releases
		Marine water	0.004 mg/l	
		Sediment	0.32 mg/kg	Freshwater
		Sediment	0.032 mg/kg	Marine water
		Soil	0.028 mg/kg	
		STP	7 mg/l	Sewage Treatment Plant
			51	

Components	Туре	Route	Value	Form		
		Intermittant	0.5 mg/l	Releases		
		Marine water	0.05 mg/l			
		Sediment	0.4205 mg/kg	Freshwater		
		Soil	0.0612 mg/kg			
		STP	10 mg/l	Sewage Treatment Plant		
Exposure guidelines	Exposure limits have not been esta	ablished for this	product.			
8.2. Exposure controls						
Appropriate engineering controls	Use in a well ventilated area.					
Individual protection measur	es, such as personal protective e	quipment				
General information	Use personal protective equipment	t to minimize exp	osure to skin and e	ye.		
Eye/face protection	Not available.	Not available.				
Skin protection						
- Hand protection	Not available.					
- Other	Not available.					
Respiratory protection	Not available.					
Thermal hazards	Not available.					
Hygiene measures	Handle in accordance with good in	dustrial hygiene	and safety practice.			
Environmental exposure controls	Not available.					

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	
Physical state	Liquid.
Color	Magenta
Odor	Not available.
Odor threshold	Not available.
рН	8.7 - 9.1
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not determined
Flash point	> 200.0 °F (> 93.3 °C) Setaflash Closed Cup
Evaporation rate	Not determined
Flammability (solid, gas)	Not available.
Upper/lower flammability or ex	•
Flammability limit - lower (%)	Not determined
Flammability limit - upper (%)	Not available.
Vapor pressure	Not determined
Solubility(ies)	
Solubility (water)	Soluble in water
Solubility (other)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not determined
Decomposition temperature	Not available.
Viscosity	>= 3 cP
Explosive properties	Not available.
Oxidizing properties	Not determined
9.2. Other information	
VOC (Weight %)	< 313 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 decomposition products	Upon decomposition, this product may yield gaseous nitrogen oxides, carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. Decomposition of this product may yield oxides of phosphorus. hydrogen fluoride fluorinated hydrocarbons

SECTION 11: Toxicological information

General information

Not available.

11.1. Information on toxicological effects

Acute toxicity	Based on available data, the classi	ification 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 classi	ification criteria are not met.	
Respiratory sensitization	Based on available data, the classification criteria are not met.		
Skin sensitization	Based on available data, the classi	ification criteria are not met.	
Germ cell mutagenicity	Based on available data, the classi	ification criteria are not met.	
Carcinogenicity	Based on available data, the classi	Based on available data, the classification criteria are not met.	
Reproductive toxicity	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.		
Components	Species	Test Results	
2-pyrrolidone (CAS 616-45-5)			
Acute			
Oral			
LD50	Guinea pig	6500 mg/kg	
	Rat	6500 mg/kg	
Mixture versus substance information	Not available.		
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.		

SECTION 12: Ecological information

12.1. Toxicity			
Product		Species	Test Results
Magenta ink			
Aquatic			
Fish	LC50	Fathead minnow (Pimephales promelas)	> 750 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
12.2. Persistence and degradability	Not available.		
12.3. Bioaccumulative potential	Not available.		

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 vPvB substance or mixture.
12.6. Other adverse effects	Not available.

SECTION 13: Disposal considerations

13.1. Waste treatment meth	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

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.

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

Develotion (CC) No. 142	(2011 Anney VIV Cubeton one Cubic state Authorization
Not listed.	2011 Annex XIV Substances Subject to Authorization
Restrictions on use	
	7/2006, REACH Annex XVII Substances subject to restriction on marketing and use as
Not listed. Directive 2004/37/EC: o mutagens at work	n the protection of workers from the risks related to exposure to carcinogens and
Not regulated. Directive 92/85/EEC: on are breastfeeding	the safety and health of pregnant workers and workers who have recently given birth or
Not regulated.	
Other EU regulations	
Directive 96/82/EC (Sev	eso II) on the control of major-accident hazards involving dangerous substances
Not regulated. Directive 98/24/EC on th agents at work	ne protection of the health and safety of workers from the risks related to chemical
Not regulated. Directive 94/33/EC on the Not regulated.	ne protection of young people at work
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.
Other information	This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006.
	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).
National regulations	Not available.
15.2. Chemical safety assessment	See attached SUMI or GEIS document, if applicable.
SECTION 16: Other info	ormation
References	Not available.
Information on evaluation method leading to the classification of mixture	Not available.
Issue date	11-Mar-2015
Revision information	None.
Training information	Not available.

This Safety Data Sheet document is provided without charge to customers of HP. Data is the most current known to HP 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** HP Inc.

1501 Page Mill Road Palo Alto, CA 94304-1112 US Direct 1-650-857-5020

Disclaimer

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
List of abbreviations	Not available.

Safe Use of Mixture Information (SUMI)

Water Based Ink: WB01 *English*

Disclaimer

This SUMI is a generic document for communicating conditions of safe use of a product in response to the REACH obligation. This document relates only to conditions of safe use and is not specific to a product. By adding this SUMI to a specific product SDS, the importer/formulator declares that the mixture can safely be used following the instructions below. Following occupational health legislation, the employer of workers remains responsible for communicating relevant use information to employees. When developing workplace instructions for employees, SUMI Sheets should always be considered in combination with the SDS and the label of the product. Derived No Effect Levels (DNEL) and Predicted No Effect Concentration (PNEC) values of substances derived from the Chemical Safety Assessment (CSA) will be given in section 8 of the SDS.

The REACH registration number(s), where applicable, completes an extended product SDS.

, , , , , , , , , , , , , , , , , , ,	3, where upplicable, completes an extended product 3D3.
Operational conditions	
Maximum duration	Up to 8 hours per day
Frequency of exposure	< 240 days per year
Process conditions	Covers use at ambient temperatures. Adequate ventilation should be provide for the areas where printing is performed. ANSI/ASHRAE Standard 62.1-2013 provides guidelines to ensure acceptable air quality in the workspace. Avoid direct contact. Regular cleaning of equipment and work area. Supervision in place to check that Risk Management Measures are in place are being correctly used and Operational Conditions
	followed.
Risk management measures	
Conditions and measures	Wear safety glasses with side shields (or goggles), if splashing is possible.
related to Personal Protection	
	Wear appropriate chemical resistent gloves: see section 8 of the SDS.
Equipment, hygiene and	Wear appropriate chemical resistent clothing.
health evaluation	In case of inadequate ventilation wear respiratory protection.
	Eye wash fountain and emergency showers are recommended.
	Avoid breathing mist/vapours.
	Avoid contact with skin, eyes and clothing.
	Training of workers in relation to proper use and maintenance of all Personal protection equipment (PPE) must be ensured.
Good practice advice	
Use personal protective equipme	ent as required.
Wash hands before breaks and a	after work.
Keep good industrial hygiene and	d safety practice.
Use only with adequate ventilati	
Do no eat, drink or smoke when	
Wash contaminated clothing be	
Store at room temperature.	
Environmental measures	
	in intercourse/unitercourselies
Do not allow this material to dra	
-	ding to Local, State, Federal and Provincial Environmental Regulations.
	ith appropriately licenced waste contractor.
Use descriptors	
IS-Use at industrial sites	
PW-Widespread use by profession	onal workers
SU7-Printing and reproduction n	nedia
PC18-Inks and Toners	
PROC1-Chemical production or r	refinery in closed process without likelihood of exposure or processes with equivalent containment conditions.
PROC2-Chemical production or r	refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions
condition PROC8a-Transfer of substance o	tion in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment r mixture (charging and discharging) at non-dedicated facilities r mixture (charging and discharging) at dedicated facilities
ERC5-Use at industrial site leading	
	io inclusion into/onto article (indoor)
Additional information on prod	
	s on the label, the classification of the mixture is provided.
Most of the water based inks are	
	is based on the individuel ingredients and their concentration within the mixture.
	ne classification are stated in Section 3 of the SDS.
	nts on which the exposure assessment is based, are listed in section 8 of the SDS.
	zing ingredients that may cause allergic reaction to certain people.
Section 2 of the SDS states these	
I	WB01 English.pdf



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	C4909 Series
Registration number	-
Synonyms	None.
Issue date	11-Mar-2015
Version number	04
Revision date	22-May-2016
Supersedes date	21-May-2016
1.2. Relevant identified uses o	f the substance or mixture and uses advised against
Identified uses	Inkjet printing
Uses advised against	None known.
Company identification	HP Inc UK Limited Cain Rd., Amen Corner, Pt 2nd Floor (Bldg BRA03) Bracknell, United Kingdom RG12 1HN Telephone 44 (0) 879 013 0790
	HP Inc. health effects line (Toll-free within the US) 1-800-457-4209 (Direct) 1-760-710-0048 HP Inc. 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 Regulation (EC) No 1272/2008 as amended

This mixture does not meet the criteria for classification according to Regulation (EC) 1272/2008 as amended.

2.2. Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

Contains:	1-(2-hydroxyethyl)-2-pyrrolidone, 2-pyrrolidone, Water
Hazard pictograms	None.
Signal word	None.
Hazard statements	The mixture does not meet the criteria for classification.
Precautionary statements	
Prevention	Not available.
Response	Not available.
Storage	Not available.
Disposal	Not available.
Supplemental label information	Contains 1,2-Benzisothiazolin-3-one. May produce an allergic reaction.
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

General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
Water	70-85	7732-18-5 231-791-2	-	-	
Classification: -					
1-(2-hydroxyethyl)-2-pyrrolidone	< 10	3445-11-2 222-359-4	01-2119977089-21-XXXX	-	
Classification: -					
2-pyrrolidone	< 7.5	616-45-5 210-483-1	01-2119475471-37-XXXX	-	
Classification: Eye Irrit. 2	;H319				

Composition comments

This ink supply contains an aqueous ink formulation.

SECTION 4: First aid measures

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. 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	Not available.

needed

SECTION 5: Firefighting measures

General fire hazards	Not available.
5.1. Extinguishing media	
Suitable extinguishing media	CO2, water, dry chemical, or foam
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.
Specific methods	Wear self contained breathing apparatus for fire fighting if necessary.

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 p	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	Not available.				
SECTION 7: Handling and	d storage				
7.1. Precautions for safe handling	Avoid conta	ct with skin, eyes an	d clothing.		
7.2. Conditions for safe storage, including any incompatibilities	Keep out of	the reach of childrer	n. Keep away from	excessive heat or c	old.
7.3. Specific end use(s)	Not available	2.			
SECTION 8: Exposure co	ntrols/per	sonal protection	on		
8.1. Control parameters					
Occupational exposure limits	No exposure	e limits noted for ing	redient(s).		
Biological limit values	No biologica	I exposure limits not	ed for the ingredie	ent(s).	
Recommended monitoring procedures	Not available	2.			
Derived no-effect level (DNEL) Components		Туре	Route	Value	Form
2-pyrrolidone (CAS 616-45-5)		Consumers	Dermal Dermal	6 mg/kg bw/d 167 mg/kg bw/d	Systemic long term Systemic acute short terr
			Inhalation Oral Oral	17.1 mg/m3 5.2 mg/kg bw/d 33.3 mg/kg bw/d	Systemic long term Systemic long term Systemic acute short terr
		Workers	Dermal Dermal Inhalation	277 mg/kg bw/d 10 mg/kg bw/d 57.8 mg/m3	Systemic acute short terr Systemic long term Systemic long term
Predicted no effect concentrat Components	ions (PNECs) Type	Route	Value	Form
2-pyrrolidone (CAS 616-45-5)		Not applicable	Freshwater		
			Intermittant Marine water Sediment Soil	0.5 mg/l 0.5 mg/l 0.05 mg/l 0.4205 mg/kg 0.0612 mg/kg	Releases Freshwater
			STP	10 mg/l	Sewage Treatment Plant
Exposure guidelines	Exposure lin	nits have not been e		5.	5
8.2. Exposure controls					
Appropriate engineering controls	Use in a wel	l ventilated area.			
Individual protection measure	s, such as pe	ersonal protective	equipment		
General information		l protective equipme		osure to skin and e	ye.
Eye/face protection	Not available				
Skin protection					
- Hand protection	Not available	е.			
- Other	Not available	e.			
Respiratory protection	Not available	е.			
Thermal hazards	Not available	е.			
Hygiene measures	Handle in ac	cordance with good	industrial hygiene	and safety practice.	
Environmental exposure controls	Not available	-			

9.1. Information on basic physical and chemical properties Appearance

Physical state	Liquid.
Color	Yellow
Odor	Not available.
Odor threshold	Not available.
рН	8.7 - 9.1
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not determined
Flash point	> 200.0 °F (> 93.3 °C) Setaflash Closed Cup
Evaporation rate	Not determined
Flammability (solid, gas)	Not available.
Upper/lower flammability or e	xplosive limits
Flammability limit - lower (%)	Not determined
Flammability limit - upper (%)	Not available.
Vapor pressure	Not determined
Solubility(ies)	
Solubility (water)	Soluble in water
Solubility (other)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not determined
Decomposition temperature	Not available.
Viscosity	>= 3 cP
Explosive properties	Not available.
Oxidizing properties	Not determined
9.2. Other information	
VOC (Weight %)	< 313 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 decomposition products	Upon decomposition, this product may yield gaseous nitrogen oxides, carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. Decomposition of this product may yield oxides of phosphorus. hydrogen fluoride fluorinated hydrocarbons

SECTION 11: Toxicological information

General information

11.1. Information on toxicological effects

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.
Reproductive toxicity	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.

Not available.

Specific target organ toxicity - repeated exposure	Based on ava	ilable data, the classification crite	ria are not met.	
Aspiration hazard	Based on available data, the classification criteria are not met.			
Components	Species		Test Results	
2-pyrrolidone (CAS 616-45-5)				
Acute				
Oral				
LD50	Guinea pig		6500 mg/kg	
	Rat		6500 mg/kg	
Mixture versus substance information	Not available.			
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.			
SECTION 12: Ecological	information	l		
Aquatic toxicity	This product I	nas not been tested for ecological	l effects.	
12.1. Toxicity		5		
Components		Species	Test Results	
2-pyrrolidone (CAS 616-45-5)		•		
Aquatic				
Crustacea	EC50	Water flea (Daphnia pulex)	13.21 mg/l, 48 hours	
12.2. Persistence and degradability	Not available.			
12.3. Bioaccumulative potential	Not available.			
Partition coefficient				
n-octanol/water (log Kow)		0.05		
2-pyrrolidone	Niek al. 1944	-0.85		
Bioconcentration factor (BCF)				
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 co	onsideratior	IS		
13.1. Waste treatment method	ds			
Residual waste	Not available.			
Contaminated packaging	Not available.			
EU waste code	Not available.			
Disposal methods/information		this material to drain into sewers/ aste material according to Local, S	water supplies. State, Federal, and Provincial Environmental	

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

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.

Regulations.

SECTION 15: Regulatory information

SECTION 15: Regulatory	y information
15.1. Safety, health and envir	ronmental regulations/legislation specific for the substance or mixture
EU regulations	
Regulation (EC) No. 1005 Not listed.	/2009 on substances that deplete the ozone layer, Annex I
	/2009 on substances that deplete the ozone layer, Annex II
	2004 On persistent organic pollutants, Annex I as amended
Regulation (EC) No. 689/ amended	2008 concerning the export and import of dangerous chemicals, Annex I, part 1 as
Not listed. Regulation (EC) No. 689/ 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
	2006 Annex II Pollutant Release and Transfer Registry
	2/2006, REACH Article 59(1) Candidate List as currently published by ECHA
Not listed.	
Authorizations	
Regulation (EC) No. 143/ Not listed.	2011 Annex XIV Substances Subject to Authorization
Restrictions on use	
Regulation (EC) No. 1907 amended	/2006, REACH Annex XVII Substances subject to restriction on marketing and use as
Not listed. Directive 2004/37/EC: on mutagens at work	n the protection of workers from the risks related to exposure to carcinogens and
Not regulated. Directive 92/85/EEC: on t are breastfeeding	the safety and health of pregnant workers and workers who have recently given birth or
Not regulated.	
Other EU regulations	
Directive 96/82/EC (Seve	eso II) on the control of major-accident hazards involving dangerous substances
Not regulated. Directive 98/24/EC on the agents at work	e protection of the health and safety of workers from the risks related to chemical
Not regulated. Directive 94/33/EC on the	e 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.
Other information	This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006.
	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).
National versulations	Neteveilable

SECTION 16. Oth

SECTION 16: Other infor	mation
References	Not available.
Information on evaluation method leading to the classification of mixture	Not available.
Issue date	11-Mar-2015
Revision information	None.
Training information	Not available.
Disclaimer	This Safety Data Sheet document is provided without charge to customers of HP. Data is the most current known to HP 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	HP Inc. 1501 Page Mill Road Palo Alto, CA 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
List of abbreviations	Not available.

Safe Use of Mixture Information (SUMI)

Water Based Ink: WB01 *English*

Disclaimer

This SUMI is a generic document for communicating conditions of safe use of a product in response to the REACH obligation. This document relates only to conditions of safe use and is not specific to a product. By adding this SUMI to a specific product SDS, the importer/formulator declares that the mixture can safely be used following the instructions below. Following occupational health legislation, the employer of workers remains responsible for communicating relevant use information to employees. When developing workplace instructions for employees, SUMI Sheets should always be considered in combination with the SDS and the label of the product. Derived No Effect Levels (DNEL) and Predicted No Effect Concentration (PNEC) values of substances derived from the Chemical Safety Assessment (CSA) will be given in section 8 of the SDS.

The REACH registration number(s), where applicable, completes an extended product SDS.

Operational conditions	s), where upplicable, completes an extended product 5D3.			
	I la ta 0 haura par day			
Maximum duration	Up to 8 hours per day			
Frequency of exposure	< 240 days per year			
Process conditions	Covers use at ambient temperatures. Adequate ventilation should be provide for the areas where printing is performed. ANSI/ASHRAE Standard 62.1-2013 provides guidelines to ensure acceptable air quality in the workspace. Avoid direct contact. Regular cleaning of equipment and work area. Supervision in place to check that Risk Management Measures are in place are being correctly used and Operational Conditions			
	followed.			
Risk management measures				
Conditions and measures	Wear safety glasses with side shields (or goggles), if splashing is possible.			
related to Personal Protection	Wear appropriate chemical resistent gloves: see section 8 of the SDS.			
Equipment, hygiene and	Wear appropriate chemical resistent clothing.			
health evaluation	In case of inadequate ventilation wear respiratory protection.			
	Eye wash fountain and emergency showers are recommended.			
	Avoid breathing mist/vapours.			
	Avoid contact with skin, eyes and clothing.			
	Training of workers in relation to proper use and maintenance of all Personal protection equipment (PPE) must be ensured.			
Good practice advice				
Use personal protective equipme	ent as required			
Wash hands before breaks and a				
Keep good industrial hygiene and				
Use only with adequate ventilati				
Do no eat, drink or smoke when				
Wash contaminated clothing bef	tore reuse.			
Store at room temperature.				
Environmental measures				
Do not allow this material to dra				
Dispose of waste material accord	ding to Local, State, Federal and Provincial Environmental Regulations.			
Ensure collection and disposal w	ith appropriately licenced waste contractor.			
Use descriptors				
IS-Use at industrial sites				
PW-Widespread use by profession	onal workers			
SU7-Printing and reproduction m	nedia			
PC18-Inks and Toners				
	refinery in closed process without likelihood of exposure or processes with equivalent containment conditions.			
PROC2-Chemical production or refinery in closed process without meanod of exposure or processes with equivalent containment conditions.				
PROC3- Manufacture or formula condition	tion in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment			
PROC8a-Transfer of substance of	r mixture (charging and discharging) at non-dedicated facilities			
PROC8b-Transfer of substance or mixture (charging and discharging) at dedicated facilities				
ERC5-Use at industrial site leadir				
	o inclusion into/onto article (indoor)			
Additional information on prod				
	on the label, the classification of the mixture is provided.			
Most of the water based inks are				
	is based on the individuel ingredients and their concentration within the mixture.			
All ingredients contributing to the classification are stated in Section 3 of the SDS.				
Relevant limit values of ingredients on which the exposure assessment is based, are listed in section 8 of the SDS.				
The product may contain sensitizing ingredients that may cause allergic reaction to certain people.				
Section 2 of the SDS states these	ringredients where applicable.			
	WB01_English.pd			