

# 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	C8771 Series	
Registration number	-	
Synonyms	None.	
Issue date	29-May-2015	
Version number	04	
Revision date	14-Jul-2016	
Supersedes date	07-May-2016	
1.2. Relevant identified uses of 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, Alkyldiol ethoxylate, C-854 Cyan Dye, 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	70-80	7732-18-5 231-791-2	-	-	
Classification: -					
1-(2-hydroxyethyl)-2-pyrrolidon	e <15	3445-11-2 222-359-4	01-2119977089-21-XXXX	-	
Classification: -					
C-854 Cyan Dye	<5	375380-28-2 428-120-2	01-0000017445-69-XXXX	-	
Classification: Eye D	am. 1;H318				
Alkyldiol ethoxylate	<2.5	Proprietary	-	-	
Classification: Acute	Tox. 4;H302, Acu	- ute Tox. 4;H312, Ski	n Irrit. 2;H315, Eye Dam. 1;H3:	18, Aquatic Chror	nic 2;H41
nposition comments	This ink supply co	ontains an aqueous i	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. Get medical attention if irritation develops or persists.
Eye contact	Do not rub eyes. Immediately flush with large amounts of clean, warm water (low pressure) for at least 15 minutes or until particles are removed. If irritation persists get medical attention.
Ingestion	If ingestion of a large amount does occur, seek medical attention.
4.2. Most important symptoms and effects, both acute and delayed	Not available.
4.3. Indication of any immediate medical attention and special treatment needed	Not available.

# **SECTION 5: Firefighting measures**

General fire hazards	Not available.
5.1. Extinguishing media Suitable extinguishing media	Dry chemical, CO2, water spray or regular 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	None established.

# **SECTION 6: Accidental release measures**

6.1. Personal precautions, prot	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 and	d storage

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

# **SECTION 8: Exposure controls/personal protection**

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

# **SECTION 9: Physical and chemical properties**

#### 9.1. Information on basic physical and chemical properties

Appearance	
Physical state	Not available.
Color	Cyan
Odor	Not available.
Odor threshold	Not available.
рН	7.8 - 8.7
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
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 available.
Decomposition temperature	Not available.
Viscosity	Not available.
Explosive properties	Not available.
Oxidizing properties	Not determined
9.2. Other information	
VOC (Weight %)	< 231 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.

# **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.
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**

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

12.1. Toxicity			
Product		Species	Test Results
C8771 Series			
Aquatic			
Acute			
Fish	LC50	Fathead minnow (Pimephales promelas)	< 400 mg/l, 96 hours
12.2. Persistence and degradability	Not available.		
12.3. Bioaccumulative potential	Not available.		
<b>Bioconcentration factor (BCF)</b>	Not available.		
12.4. Mobility in soil	Not available.		
12.5. Results of PBT and vPvB assessment	Not a PBT or vPvB substance or mixture.		
12.6. Other adverse effects	Not available.		

# SECTION 13: Disposal considerations

13.1. Waste treatment 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.

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

Further information

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

Regulation (EC) No. 689 Not listed.	9/2008 concerning the export and import of dangerous chemicals, Annex V as amended
	6/2006 Annex II Pollutant Release and Transfer Registry
Not listed.	
Regulation (EC) No. 190	07/2006, REACH Article 59(1) Candidate List as currently published by ECHA
Not listed.	
Authorizations	
Regulation (EC) No. 143 Not listed.	3/2011 Annex XIV Substances Subject to Authorization
Restrictions on use	
Regulation (EC) No. 190 amended	07/2006, REACH Annex XVII Substances subject to restriction on marketing and use as
Not listed. Directive 2004/37/EC: mutagens at work	on the protection of workers from the risks related to exposure to carcinogens and
Not regulated. Directive 92/85/EEC: o are breastfeeding	n the safety and health of pregnant workers and workers who have recently given birth or
Not regulated.	
Other EU regulations	
Directive 96/82/EC (Se	veso II) on the control of major-accident hazards involving dangerous substances
Not regulated. Directive 98/24/EC on t agents at work	the protection of the health and safety of workers from the risks related to chemical
Not regulated.	
	the protection of young people at work
Not regulated.	
Other regulations	All chemical substances in this HP product have been notified or are exempt from notification under chemical substances notification laws in the following countries: US (TSCA), EU (EINECS/ELINCS), Switzerland, Canada (DSL/NDSL), Australia, Japan, Philippines, South Korea, New Zealand, and China.
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 information**

References Information on evaluation method leading to the classification of mixture	Not available. Not available.
Issue date	29-May-2015
<b>Revision information</b>	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.

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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		
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.

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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 to inclusion into/onto article ERC8c-Widespread use leading to 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		
The classification of the mixture 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	C8772 Series	
designation of the mixture		
Registration number	-	
Synonyms	None.	
Issue date	01-Jun-2015	
Version number	03	
Revision date	07-May-2016	
Supersedes date	13-Oct-2015	
1.2. Relevant identified uses of 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

Eaber according to Regulation	
Contains:	1-(2-hydroxyethyl)-2-pyrrolidone, Alkyldiol ethoxylate, Substituted naphthalenesulfonate salt # 11, 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	70-80	7732-18-5 231-791-2	-	-	
Classification: -					
1-(2-hydroxyethyl)-2-pyrrolidone	<15	3445-11-2 222-359-4	01-2119977089-21-XXXX	-	
Classification: -					
Substituted naphthalenesulfonate # 11	salt <5	Proprietary -	-	-	
Classification: -					
Alkyldiol ethoxylate	<2.5	Proprietary	-	-	

# **SECTION 4: First aid measures**

General information	Not available.		
4.1. Description of first aid me	easures		
Inhalation	Move to fresh air. If symptoms persist, get medical attention.		
Skin contact	Wash affected areas thoroughly with mild soap and water. Get medical attention if irritation develops or persists.		
Eye contact	Do not rub eyes. Immediately flush with large amounts of clean, warm water (low pressure) for at least 15 minutes or until particles are removed. If irritation persists get medical attention.		
Ingestion	If ingestion of a large amount does occur, seek medical attention.		
4.2. Most important symptoms and effects, both acute and delayed	Not available.		
4.3. Indication of any immediate medical attention and special treatment needed	Not available.		

# **SECTION 5: Firefighting measures**

General fire hazards	Not available.
5.1. Extinguishing media Suitable extinguishing media	Dry chemical, CO2, water spray or regular 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	None established.

# **SECTION 6: Accidental release measures**

6.1. Personal precautions, prot	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 and	d storage

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

# **SECTION 8: Exposure controls/personal protection**

No exposure limits noted for ingredient(s).
No biological exposure limits noted for the ingredient(s).
Not available.
Not available.
Not available.
Exposure limits have not been established for this product.
Use in a well ventilated area.
s, such as personal protective equipment
Use personal protective equipment to minimize exposure to skin and eye.
Not available.
Not available.
Not available.
Not available.
Not available.
Handle in accordance with good industrial hygiene and safety practice.
Not available.

# **SECTION 9: Physical and chemical properties**

#### 9.1. Information on basic physical and chemical properties

Appearance	
Physical state	Not available.
Color	Magenta
Odor	Not available.
Odor threshold	Not available.
рН	7.8 - 8.7
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
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 available.
Decomposition temperature	Not available.
Viscosity	Not available.
Explosive properties	Not available.
Oxidizing properties	Not determined
9.2. Other information	
VOC (Weight %)	< 231 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.

# **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.
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**

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

12.1. Toxicity			
Product		Species	Test Results
C8772 Series			
Aquatic			
Acute			
Fish	LC50	Fathead minnow (Pimephales promelas)	< 400 mg/l, 96 hours
12.2. Persistence and degradability	Not available.		
12.3. Bioaccumulative potential	Not available.		
<b>Bioconcentration factor (BCF)</b>	Not available.		
12.4. Mobility in soil	Not available.		
12.5. Results of PBT and vPvB assessment	Not a PBT or v	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.

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

Further information

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

Regulation (EC) No. 689/	2008 concerning the export and import of dangerous chemicals, Annex V as amended
Not listed.	
	2006 Annex II Pollutant Release and Transfer Registry
Not listed.	7/2006, REACH Article 59(1) Candidate List as currently published by ECHA
Not listed.	72000, REACH ALLICE 35(1) candidate List as currently published by LenA
Authorizations	
Regulation (EC) No. 143/	2011 Annex XIV Substances Subject to Authorization
Not listed.	
Restrictions on use	
Regulation (EC) No. 1907 amended	7/2006, REACH Annex XVII Substances subject to restriction on marketing and use as
Not listed.	
Directive 2004/37/EC: or 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 (Seve	eso II) on the control of major-accident hazards involving dangerous substances
Not regulated. Directive 98/24/EC on th 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 th	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 regulations	Not available.
15.2. Chemical safety assessment	See attached SUMI or GEIS document, if applicable.

# **SECTION 16: Other information**

References	Not available.
Information on evaluation method leading to the classification of mixture	Not available.
Issue date	01-Jun-2015
<b>Revision information</b>	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.

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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	
PROC8b-Transfer of substance or mixture (charging and discharging) at dedicated facilities		
ERC5-Use at industrial site leading to inclusion into/onto article		
ERC8c-Widespread use leading to 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		
The classification of the mixture 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		
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	C8773 Series	
Registration number	-	
Synonyms	None.	
Issue date	29-May-2015	
Version number	04	
Revision date	13-Jul-2016	
Supersedes date	01-May-2016	
1.2. Relevant identified uses of 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

Laber according to Regulation		
Contains:	2-pyrrolidone, Alkyldiol ethoxylate, Ethyl alkyldiol, Tetraethylene glycol, Water, Yellow colorant	
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	70-80	7732-18-5 231-791-2	-	-	
Classification:	-				
2-pyrrolidone	<7.5	616-45-5 210-483-1	01-2119475471-37-XXXX	-	
Classification:	Eye Irrit. 2;H319				
Ethyl alkyldiol	<7.5	Proprietary	-	-	
Classification:	-				
Tetraethylene glycol	<7.5	112-60-7 203-989-9	01-2119971572-32-XXXX	-	
Classification:	-				
Yellow colorant	<5	Proprietary	-	-	
Classification:	-				
Alkyldiol ethoxylate	<2.5	Proprietary	-	-	
Classification:	Acute Tox. 4;H302, Acu	- ute Tox. 4;H312, Sk	in Irrit. 2;H315, Eye Dam. 1;H3:	18, Aquatic Chror	nic 2;H4
position comments	This ink supply co	ontains an aqueous	ink formulation.		

### **SECTION 4: First aid measures**

General information	Not available.		
4.1. Description of first aid measures			
Inhalation	Remove to fresh air. If symptoms persist, get medical attention.		
Skin contact	Wash affected areas thoroughly with mild soap and water. Get medical attention if irritation develops or persists.		
Eye contact	Do not rub eyes. Immediately flush with large amounts of clean, warm water (low pressure) for at least 15 minutes or until particles are removed. If irritation persists get medical attention.		
Ingestion	If ingestion of a large amount does occur, seek medical attention.		
4.2. Most important symptoms and effects, both acute and delayed	Not available.		
4.3. Indication of any immediate medical attention and special treatment needed	Not available.		

# **SECTION 5: Firefighting measures**

General fire hazards	Not available.
5.1. Extinguishing media Suitable extinguishing media	Dry chemical, CO2, water spray or regular 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	None established.

## **SECTION 6: Accidental release measures**

6.1. Personal precautions, protective equipment and emergency procedures		
For non-emergency personnel	Wear appropriate personal protective equipment.	
For emergency responders	Not available.	
6.2. Environmental precautions	Do not let product enter drains. Do not flush into surface water or sanitary sewer system.	
6.3. Methods and material for containment and cleaning up	Dike the spilled material, where this is possible. Absorb with inert absorbent such as dry clay, sand or diatomaceous earth, commercial sorbents, or recover using pumps.	
6.4. Reference to other sections	Not available.	
CECTION 7. Handling and		

#### **SECTION 7: Handling and storage**

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

## **SECTION 8: Exposure controls/personal protection**

#### 8.1. Control parameters

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

#### Derived no-effect level (DNEL)

Components	Туре	Route	Value	Form
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 term
		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 term
	Workers	Dermal	277 mg/kg bw/d	Systemic acute short term
		Dermal	10 mg/kg bw/d	Systemic long term
		Inhalation	57.8 mg/m3	Systemic long term
edicted no effect concentrations (P	NECs)			
Components	Туре	Route	Value	Form
2-pyrrolidone (CAS 616-45-5)	Not applicable	Freshwater	0.5 mg/l	

		Intermittant Marine water	0.5 mg/l 0.05 mg/l	Releases
		Sediment	0.4205 mg/kg	Freshwater
		Soil	0.0612 mg/kg	
		STP	10 mg/l	Sewage Treatment Plant
Exposure guidelines	None established.			
8.2. Exposure controls				

Appropriate engineering Use in a well ventilated area. controls

#### Individual protection measures, such as personal protective equipment

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

Eye/face protection	Not available.
Skin protection	
- Hand protection	Not available.
- Other	Not available.
<b>Respiratory protection</b>	Not available.
Thermal hazards	Not available.
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice.
Environmental exposure controls	Not available.

# **SECTION 9: Physical and chemical properties**

### 9.1. Information on basic physical and chemical properties

····· ································	····· ···· ···························
Appearance	
Physical state	Not available.
Color	Yellow
Odor	Not available.
Odor threshold	Not available.
рН	6.9 - 7.6
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
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 available.
Solubility(ies)	
Solubility (water)	Soluble in water
Solubility (other)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Explosive properties	Not available.
Oxidizing properties	Not determined
9.2. Other information	
VOC (Weight %)	< 78 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.

## **SECTION 11: Toxicological information**

Not available.

#### 11.1. Information on toxicological effects

**General information** 

Acute toxicity         Based on available data, the classification criteria are not met.           Serious eye damage/sye irritation         Based on available data, the dassification criteria are not met.           Respiratory sensitization         Based on available data, the dassification criteria are not met.           Skin corrosion data         Based on available data, the dassification criteria are not met.           Germ cell mutepnicity         Based on available data, the dassification criteria are not met.           Carcinogenicity         Based on available data, the dassification criteria are not met.           Specific target organ toxicity         Based on available data, the dassification criteria are not met.           Specific target organ toxicity         Based on available data, the dassification criteria are not met.           Specific target organ toxicity         Based on available data, the dassification criteria are not met.           Specific target organ toxicity         Based on available data, the dassification criteria are not met.           Specific target organ toxicity         Based on available data, the dassification criteria are not met.           Components         Species         Test Results           Carcinoponents         Species         Test Results           Caraf         Caraf         Caraf         Species           LoS0         Rat         25500 mg/kg           Caraf         C				
Serious eye damage/sye initiation     Based on available data, the classification ortieria are not met.       Respiratory sensitization     Based on available data, the classification ortieria are not met.       Gern cell mutagenicity     Based on available data, the classification ortieria are not met.       Resproducive toxicity     Based on available data, the classification ortieria are not met.       Reproducive toxicity     Based on available data, the classification ortieria are not met.       Specific target organ toxicity     Based on available data, the classification ortieria are not met.       Specific target organ toxicity     Based on available data, the classification ortieria are not met.       Specific target organ toxicity     Based on available data, the classification ortieria are not met.       Specific target organ toxicity     Based on available data, the classification ortieria are not met.       Specific target organ toxicity     Based on available data, the classification ortieria are not met.       Components     Specific     Test Results       Cond     Cond     Specific     Specific       LDS0     Calare     Specific     Specific       Doral     Complete toxicly data are not available for the specific formulator     Refer to Section 2 for potential health effects and Section 4 for first ald measures.       Specific target organ toxicity     Specific are not available data, the classification ortieria are not met.     Specific target organ toxicity	-		•	
irritation Respiratory sensitization Respiratory sensitization Respiratory sensitization Respiratory sensitization Respiratory sensitization Based on available data, the classification criteria are not met. Gernicogenicity 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 Based on available data, the classification criteria are not met. Specific target organ toxicity Based on available data, the classification criteria are not met repeated Sposure Specific target organ toxicity Approximation Based on available data, the classification criteria are not met repeated Sposure Specific target organ toxicity Based on available data, the classification criteria are not met repeated Sposure Aspiration hazard Based on available data, the classification criteria are not met repeated Sposure Aspiration hazard Based on available data, the classification criteria are not met Components Specific target organ toxicity Acute Org/ Rat Sportion Rat Specific Clas 516-95-9  Acute Org/ Rat Sportion Rat	-			
Skin sensitization     Based on available data, the classification criteria are not met.       Germ call mutagenicity     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     Based on available data, the classification criteria are not met.       Specific target organ toxicity     Based on available data, the classification criteria are not met.       Specific target organ toxicity     Based on available data, the classification criteria are not met.       Specific target organ toxicity     Based on available data, the classification criteria are not met.       Components     Species     rest Results       2-pyrrolidome (CAS 616-45-5)     Acute     Goid       Cutso     Guinea pig     6500 mg/kg       Rat     500 mg/kg       Demma/     Beadon available.       LD50     Rat     29 g/kg       Nuture versus substance     Not available.     Section 2 for potential health effects and Sector 1 for first aid measures.       SECTION 12: Ecological information     Complete toxicity (trout), survival (100 mg/L) = 100%       Static acute toxicity (trout), survival (100 mg/L) = 100%       Static acute toxicity (trout), survival (100 mg/L) = 100%       Static acute toxicity (trout), survival (100 mg/L) = 100%       Static acute toxicity (trout), survival (100 mg/L) = 100%		Based on avai	lable data, the classification criteria are no	ot 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.       Specific target organ toxicity     Based on available data, the classification criteria are not met.       Specific target organ toxicity     Based on available data, the classification criteria are not met.       Specific target organ toxicity     Based on available data, the classification criteria are not met.       Specific target organ toxicity     Based on available data, the classification criteria are not met.       Components     Species     Test Results       2-pyrolidone (CAS 616-45-5)     Acute     6500 mg/kg       Acute     Ora/     Exercities     6500 mg/kg       Dermal     Exercities     29 g/kg       Mixture versus substance     Not available.     6500 mg/kg       Ora/     LD50     Rat     29 g/kg       Mixture versus substance     Not available.     Formal       CB773 Series     Secies     Test Results       Aquatic toxicity     Static acute toxicity (trout), survival (100 mg/L) = 100%       Static acute toxicity (trout), survival (100 mg/L) = 100%     Static acute toxicity (trout), survival (100 mg/L) = 100%       Static acute toxicity (trout), survival (100 mg/L) = 100%     Static acute toxicity (trout), survival (100 mg/L) = 100%       Static acute toxicity (trout), survival (100 mg	Respiratory sensitization	Based on avai	lable data, the classification criteria are no	ot 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     Based on available data, the classification criteria are not met.       Specific target organ toxicity     Based on available data, the classification criteria are not met.       Specific target organ toxicity     Based on available data, the classification criteria are not met.       Components     Species     Test Results       2-pyrrolidone (CAS 516-45-5)     Species     Test Results       2-pyrrolidone (CAS 516-45-5)     Guinea pig     6500 mg/kg       Acute     Ord     Et     6500 mg/kg       D20     Guinea pig     6500 mg/kg       Dermal     LD50     Rat     29 g/kg       Miture versus substance     Not available.     2570 mg/kg       information     Other information     Refer to Section 2 for potential health effects and Section 4 for first and measures.       SECTION 12: Ecological information     Static courte toxicity (trout), survival (100 mg/L) = 100%       Static courte toxicity (trout), survival (100 mg/L) = 100%     Static courte toxicity (trout), survival (10 mg/L) = 100%       Static courte toxicity (trout), survival (10 mg/L) = 100%     Static courte toxicity (trout), survival (10 mg/L) = 100%       Static courte toxicity (trout), survival (10 mg/L) = 100%     Static cour	Skin sensitization			
Reproductive toxicity         Based on available data, the classification criteria are not met.           Specific target organ toxicity         Based on available data, the classification criteria are not met.           Specific target organ toxicity         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-pyrrolitone (CAS 616-45-S)         Acute         6500 mg/kg           Acute         Gard         6500 mg/kg           LDS0         Guinea pig         6500 mg/kg           Derma/         LDS0         Rat         29 g/kg           Mixture versus substance         Not available.         Fort and measures.           Ordi         Complete toxicity data are not available for this specific formulation Refer to Section 1 for first all measures.           SECTION 12: Ecological information         Complete toxicity (trout), survival (100 mg/L) = 100% Static acute toxicity (trout), survival (100 mg/L) = 100% Static acute toxicity (trout), survival (100 mg/L) = 100% Static acute toxicity (trout), survival (100 mg/L) = 100% Static acute toxicity (trout), survival (100 mg/L) = 100% Static acute toxicity (trout), survival (100 mg/L) = 100% Static acute toxicity (trout), survival (100 mg/L) = 100% Static acute toxicity (trout), survival (100 mg/L) = 100% Static acute toxicity (trout), survival (100 mg/L) = 100% Static acute toxicity (trout), survival (100 mg/L) = 10	Germ cell mutagenicity	Based on avai	lable data, the classification criteria are no	ot met.
Specific target organ toxicity - single exposure Specific target organ toxicity - repeated exposure Aspiration hazard       Based on available data, the dassification criteria are not met.         Aspiration hazard       Based on available data, the dassification criteria are not met.         Components       Species         Z-pyrrolidore (CAS 616-45-S) Acute Oral LDS0       Guinea pig Rat       6500 mg/kg 6500 mg/kg         Acute Oral LDS0       Rat       22570 mg/kg         Oral LDS0       Rabbit       22570 mg/kg         Oral LDS0       Rabbit       22570 mg/kg         Oral LDS0       Rabbit       22570 mg/kg         Oral LDS0       Rat       29 g/kg         Mixture versus substance information       Not available.       Interversus substance 1000 mg/kg         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       Species       Test Results         C373 Series       Aquatic toxicity       Species       Test Results         Aquatic toxicity       Species       Test Results       279 mg/kg         Static acute toxicity (trout), survival (100 mg/L) = 100% Static acute toxicity (trout), survival (100 mg/L) = 100% Static acute toxicity (trout), survival (100 mg/L) = 100% Static acute toxicity (trout), surviv	Carcinogenicity	Based on avai	lable data, the classification criteria are no	ot met.
<ul> <li>- single exposure</li> <li>- single exposure</li> <li>Based on available data, the classification criteria are not met.</li> <li>- repeated exposure</li> <li>Based on available data, the classification criteria are not met.</li> <li>- Components</li> <li>Species</li> <li>Test Results</li> <li>- provide (CAS 616-45-5)</li> <li>Acute</li> <li>Ora/</li> <li>LDS0</li> <li>Guinea pig</li> <li>GS00 mg/kg</li> <li>Rat</li> <li>GS00 mg/kg</li> <li>Command</li> <li>DS0</li> <li>Rabit</li> <li>C2570 mg/kg</li> <li>Ora/</li> <li>LDS0</li> <li>Rat</li> <li>C2570 mg/kg</li> <li>Dema/</li> <li>LDS0</li> <li>Ratic acute toxicly (trout), survival (100 mg/L) = 100%</li> <li>Static acute toxicly (trout), survival (100 mg/L) = 100%</li> <li>Static acute toxicly (trout), survival (100 mg/L) = 100%</li> <li>Static acute toxicly (trout), survival (100 mg/L) = 100%</li> <li>Static acute toxicly (trout), survival (100 mg/L) = 100%</li> <li>Static acute toxicly (trout), survival (100 mg/L) = 100%</li> <li>Static acute toxicly (trout), survival (100 mg/L) = 100%</li> <li>Static acute toxicly (trout), survival (100 mg/L) = 100%</li> <li>Static acute toxicly (trout), survival (100 mg/L) = 100%</li></ul>	-	Based on avai	lable data, the classification criteria are no	ot met.
- repeated exposine       Aspiration hazard       Based on available data, the classification criteria and met.         Components       Species       Test Results         2-pyrrolidone (CAS 616-45-5)       Acute       6500 mg/kg         Dari       6500 mg/kg       Rat       6500 mg/kg         LD50       Guinea pig       6500 mg/kg       Rat       6500 mg/kg         Acute       Acute       6500 mg/kg       Rat       6500 mg/kg         Acute       Bermal       22570 mg/kg       22570 mg/kg         LD50       Rat       29 g/kg       Mixture versus substance       Not available.       Information         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         Aquatic toxicity       Static acute toxicity (trout), survival (100 mg/L) = 100% Static acute toxicity (trout), survival (10 mg/L) = 100%       Static acute toxicity (trout), survival (10 mg/L) = 100%         12.1. Toxicity       Fish       LC50       Fish       400, 96 hours         Acute       Fish       LC50       Fish       400, 96 hours         Acute       Species       Test Results       2:pyrrolidone (CAS 616-45-5)         Aquatic       Species       <		Based on avai	lable data, the classification criteria are no	bt met.
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2-pyrolidone (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 Mixture versus substance Information 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 Aquatic toxicity Static acute toxicity (trout), survival (100 mg/L) = 100% Static acute toxicity (trout), survival (100 mg/L) = 100% Static acute toxicity (trout), survival (100 mg/L) = 100% 12.1. Toxicity Product Species Test Results Ca773 Series Aquatic Fish LC50 Fish 400, 96 Hours Acute 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 Ethyl alkyldiol (CAS Proprietary) Aquatic Crustacea EC50 Daphnia 102, 48 Hours Fish LC50 Fish 1000, 96 Hours 12.2. Persistence and Not available.	Aspiration hazard	Based on avai	lable data, the classification criteria are no	ot met.
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Rat     6500 mg/kg       Tetraethylene glycol (CAS 112-60-7)     Acute       Dermal     LD50     Rabbit     22570 mg/kg       Oral     LD50     Rat     29 g/kg       Mixture versus substance information     Not available.     Section 4 for first aid measures.       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     Complete toxicity (trout), survival (100 mg/L) = 100% Static acute toxicity (trout), survival (100 mg/L) = 100% Static acute toxicity (trout), survival (100 mg/L) = 100% Static acute toxicity (trout), survival (10 mg/L) = 100% Static acute toxicity (trout), survival (10 mg/L) = 100% Static acute toxicity (trout), survival (10 mg/L) = 100% Static acute toxicity (trout), survival (100 mg/L) = 100% Static acute toxicity (trout), survival (100 mg/L) = 100% Static acute toxicity (trout), survival (100 mg/L) = 100% Static acute toxicity (trout), survival (100 mg/L) = 100% Static acute toxicity (trout), survival (100 mg/L) = 100% Static acute toxicity (trout), survival (100 mg/L) = 100% Static acute toxicity (trout), survival (100 mg/L) = 100% Static acute toxicity (trout), survival (100 mg/L) = 100% Static acute toxicity (trout), survival (100 mg/L) = 100% Static acute toxicity (trout), survival (100 mg/L) = 100% Static acute toxicity (trout), survival (100 mg/L) = 100% Static acute toxicity (trout), survival (100 mg/L) = 100% Static acute toxicity (trout), survival (100 mg/L) = 100% Static acute toxicity (trout), survival (100 mg/L) = 100% Static acute toxicity (trout), survival (100 mg/L) = 100% Static acute toxicity (trout), survival (100 mg/L) = 100% Static acute toxicity (trout),				
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Acute       Dermal         DD50       Rabbit       22570 mg/kg         Oral       D50       Rat       29 g/kg         Mixture versus substance information       Not available.       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       Static acute toxicity (trout), survival (100 mg/L) = 100% Static acute toxicity (trout), survival (10 mg/L) = 100%         Aquatic toxicity       Static acute toxicity (trout), survival (10 mg/L) = 100%         Static acute toxicity (trout), survival (10 mg/L) = 100%         Static acute toxicity (trout), survival (10 mg/L) = 100%         Static acute toxicity (trout), survival (10 mg/L) = 100%         Static acute toxicity (trout), survival (10 mg/L) = 100%         Static acute toxicity (trout), survival (10 mg/L) = 100%         Static acute toxicity (trout), survival (10 mg/L) = 100%         Static acute toxicity (trout), survival (10 mg/L) = 100%         Static acute toxicity (trout), survival (10 mg/L) = 100%         Static acute toxicity (trout), survival (10 mg/L) = 100%         Static acute toxicity (trout), survival (10 mg/L) = 100%         Static acute toxicity (trout), survival (10 mg/L) = 100%         Corustacea       ES0         Species	Tetraethylene alvcol (CAS 112-60			
LD50     Rabbit     22570 mg/kg       Ora/ LD50     Rat     29 g/kg       Mixture versus substance information     Not available.     29 g/kg       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     Complete toxicity (trout), survival (100 mg/L) = 100% Static acute toxicity (trout), survival (100 mg/L) = 100% Static acute toxicity (trout), survival (100 mg/L) = 100%       SECTION 12: Ecological information     Species     Test Results       C8773 Series     Xacute     Species     Test Results       C8773 Series     Species     Test Results       C8773 Series     Species     Test Results       C8773 Series     Species     Test Results       Acute     Fish     LC50     Fish     400, 96 Hours       Acute     Fish     LC50     Pathead minnow (Pimephales promelas)     > 750 mg/l, 96 hours       Components     Species     Test Results     Complex (CAS 616-45-5)     Test Results       Aquatic     Crustacea     EC50     Water flea (Daphnia pulex)     13.21 mg/l, 48 hours       Ethyl alkyldiol (CAS Proprietary)     Fish     LC50     Fish     102, 48 Hours       Fish     LC50     Fish     100, 96 Hours       Fish		.)		
Oral LD50     Rat     29 g/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     Aquatic toxicity       Aquatic toxicity     Static acute toxicity (trout), survival (100 mg/L) = 100% Static acute toxicity (trout), survival (10 mg/L) = 100%       12.1. Toxicity     Species     Test Results       Product     Species     Test Results       C8773 Series     Aquatic       Aquatic     Fish     LC50       Fish     LC50     Fathead minnow (Pimephales promelas)     > 750 mg/l, 96 hours       Acute     Fish     LC50     Fathead minnow (Pimephales promelas)     > 750 mg/l, 96 hours       Components     Species     Test Results       2-pyrrolidone (CAS 616-45-5)     Aquatic     Crustacea     EC50       Crustacea     EC50     Water flea (Daphnia pulex)     13.21 mg/l, 48 hours       Ethyl alkyldiol (CAS Proprietary)     Aquatic     Fish     LC50       Fish     LC50     Fish     1000, 96 Hours       Aquatic     Fish     LC50     Fish     1000, 96 Hours       Turstacea     EC50     Daphnia     102, 48 Hours       Fish	Dermal			
LD50     Rat     29 g/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     Static acute toxicity (trout), survival (100 mg/L) = 100% Static acute toxicity (trout), survival (10 mg/L) = 100%       21.1 roxicity     Static acute toxicity (trout), survival (100 mg/L) = 100% Static acute toxicity (trout), survival (10 mg/L) = 100%       21.1 roxicity     Species     Test Results       C8773 Series     Aquatic       Aquatic     Species     Test Results       C8773 Series     Species     Test Results       Aquatic     Fish     LC50     Fish     400, 96 Hours       Acute     Fish     LC50     Fathead minnow (Pimephales promelas)     > 750 mg/l, 96 hours       Components     Species     Test Results       2-pyrrolidone (CAS 616-45-5)     Aquatic     Test Results       Crustacea     EC50     Water flea (Daphnia pulex)     13.21 mg/l, 48 hours       Ethyl alkyldiol (CAS Proprietary)     Aquatic     Fish     LC50     Fish       Aquatic     Crustacea     EC50     Daphnia     102, 48 Hours       Fish     LC50     Fish     1000, 96 Hours       Aquatic	LD50	Rabbit	2	22570 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       Aquatic toxicity       Static acute toxicity (trout), survival (100 mg/L) = 100% Static acute toxicity (trout), survival (100 mg/L) = 100%         12.1. Toxicity       Species       Test Results         Product       Species       Test Results         C8773 Series       Aquatic       Aquatic         Fish       LC50       Fish       400, 96 Hours         Acute       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         Ethyl alkyldiol (CAS Proprietary)       Aquatic       Crustacea       EC50       Daphnia       102, 48 Hours         Fish       LC50       Fish       1000, 96 Hours       102, 48 Hours       12.2. Resistence and degradability         12.3. Bioaccumulative       Not available.       Fish       1000, 96 Hours       1000, 96 Hours	Oral			
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       Static acute toxicity (trout), survival (100 mg/L) = 100% Static acute toxicity (trout), survival (100 mg/L) = 100%         12:1. Toxicity       Static acute toxicity (trout), survival (100 mg/L) = 100% Static acute toxicity (trout), survival (100 mg/L) = 100%         21.1. Toxicity       Species       Test Results         C8773 Series       Aquatic       Fish       LC50       Fish       400, 96 Hours         Acute       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         Aquatic       Crustacea       EC50       Daphnia       102, 48 Hours         Fish       LC50       Fish       1000, 96 Hours         Aquatic       Crustacea       EC50       Daphnia       102, 48 Hours         Ethyl alkyldiol (CAS Proprietary)       Aquatic       Case a       EC50       Fish       1000, 96 Hours         12.2. Pe	LD50	Rat	2	29 g/kg
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       Aquatic toxicity       Static acute toxicity (trout), survival (100 mg/L) = 100% Static acute toxicity (trout), survival (10 mg/L) = 100% Static acute toxicity (trout), survival (10 mg/L) = 100%         12.1. Toxicity       Species       Test Results         Product       Species       Test Results         C8773 Series       Aquatic Fish       LC50       Fish       400, 96 Hours         Acute Fish       EC50       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         Aquatic Crustacea       EC50       Daphnia       1002, 48 Hours         Fish       LC50       Fish       1000, 96 Hours         Aquatic Crustacea       EC50       Daphnia       102, 48 Hours         Ethyl alkyldiol (CAS Proprietary)       Aquatic Fish       LC50       Fish       1000, 96 Hours         12.2. Persistence and degradability       Not available.       Via available.       Via available.		Not available.		
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Product       Species       Test Results         C8773 Series       Aquatic       Image: Series       Image: Series         Fish       LC50       Fish       400, 96 Hours         Acute       Fish       LC50       Fathead minnow (Pimephales promelas)       > 750 mg/l, 96 hours         Components       Species       Test Results         2-pyrrolidone (CAS 616-45-5)       Species       Test Results         Aquatic       Kaquatic       Kaquatic       Kaquatic         Crustacea       EC50       Water flea (Daphnia pulex)       13.21 mg/l, 48 hours         Ethyl alkyldiol (CAS Proprietary)       Kaquatic       Image: Series       Image: Series         Crustacea       EC50       Daphnia       102, 48 Hours         Fish       LC50       Fish       1000, 96 Hours         12.2. Persistence and degradability       Not available.       Image: Series         12.3. Bioaccumulative       Not available.       Image: Series				
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2-pyrrolidone (CAS 616-45-5)          Aquatic         Crustacea       EC50       Water flea (Daphnia pulex)       13.21 mg/l, 48 hours         Ethyl alkyldiol (CAS Proprietary)       Aquatic       102, 48 Hours         Crustacea       EC50       Daphnia       102, 48 Hours         Fish       LC50       Fish       1000, 96 Hours         12.2. Persistence and degradability       Not available.       Vot available.		LC50		<b>-</b>
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Ethyl alkyldiol (CAS Proprietary)       Aquatic       Crustacea     EC50       Fish     LC50       Fish     LC50       Fish     Not available.       degradability     Not available.	-	5650		12.21
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12.2. Persistence and degradability       Not available.         12.3. Bioaccumulative       Not available.				
degradability         12.3. Bioaccumulative       Not available.	Fish	LC50	Fish	1000, 96 Hours
		Not available.		
		Not available.		

Partition coefficient n-octanol/water (log Kow) 2-pyrrolidone	-0.85
<b>Bioconcentration factor (BCF)</b>	Not available.
12.4. Mobility in soil	Not available.
12.5. Results of PBT and vPvB assessment	Not a PBT or vPvB substance or mixture.
12.6. Other adverse effects	Not available.

### **SECTION 13: Disposal considerations**

13.1. Waste treatment 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

Domistion (EC) No. 142	
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: or 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 (Seve	eso II) on the control of major-accident hazards involving dangerous substances
Not regulated. Directive 98/24/EC on th 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 th	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 regulations	Not available.
15.2. Chemical safety assessment	See attached SUMI or GEIS document, if applicable.
SECTION 16: Other info	prmation
References	Not available.
Information on evaluation method leading to the classification of mixture	Not available.
Issue date	29-May-2015
Revision information	None.
Training information	Not available.

Training informationNot available.DisclaimerThis Safety Data Sheet document is provided without charge to customers of HP. Data is the most<br/>current known to HP at the time of preparation of this document and is believed to be accurate. It<br/>should not be construed as guaranteeing specific properties of the products as described or<br/>suitability for a particular application. This document was prepared to the requirements of the<br/>jurisdiction specified in Section 1 above and may not meet regulatory requirements in other<br/>countries.Manufacturer informationHP Inc.<br/>1501 Page Mill Road

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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
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.
	refinery in closed continuous process with occasional controlled 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
	r 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