

# 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	CC654 Series
-	
Registration number	-
Synonyms	None.
Issue date	22-May-2015
Version number	03
Revision date	25-May-2016
Supersedes date	28-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:	1,5-pentanediol, 2-pyrrolidone, Modified carbon black, 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	Carbon black is classified by the IARC as a Group 2B carcinogen (the substance is possibly carcinogenic to humans). Carbon black in this preparation, due to its bound form, does not present this carcinogenic risk. 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. None of the other ingredients in this preparation are classified as carcinogens according to ACGIH, EU, IARC, MAK, NTP or OSHA.

### **SECTION 3: Composition/information on ingredients**

### 3.2. Mixtures

### **General information**

Chemical name	%	CAS-No. / EC No.	<b>REACH Registration No.</b>	Index No.	Notes
Water	75-85	7732-18-5 231-791-2	-	-	
Classification: -					
2-pyrrolidone	< 10	616-45-5 210-483-1	01-2119475471-37-XXXX	-	
<b>Classification:</b>	ye Irrit. 2;H319				
1,5-pentanediol	< 5	111-29-5 203-854-4	01-2119449341-44-XXXX	-	
Classification: -					
Modified carbon black	< 5	Proprietary	-	-	
Classification: -					
mposition comments	This ink supply co	ontains an aqueous i	nk formulation.		
			nd form in this preparation.		
CTION 4: First aid m					
neral information	Not available.				
L. Description of first aid I	measures				
Inhalation		air. If symptoms pei	sist, 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 l	arge amount does o	ccur, seek medical attention.		
<ol> <li>Most important mptoms and effects, both ute and delayed</li> </ol>	Not available.				
<ol> <li>Indication of any mediate medical attention</li> <li>special treatment</li> <li>eded</li> </ol>	Not available. <b>n</b>				
CTION 5: Firefightin	-				
neral fire hazards	Not available.				
Extinguishing modia					

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	Keep out of the reach of children. Keep away from excessive heat or cold.		

incompatibilities 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).
<b>Biological limit values</b>	No biological exposure limits noted for the ingredient(s).
Recommended monitoring procedures	Not available.
Darived no-offect level (DNEL)	

### Derived no-effect level (DNEL)

storage, including any

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
Predicted no effect concentration	ons (PNECs)			
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 limits have not been es	tablished 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 equipme	nt to minimize exp	posure to skin and e	ye.
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.	

Material name: CC654 Series

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

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

Appearance			
Physical state	Not available.		
Color	Black.		
Odor	Not available.		
Odor threshold	Not available.		
рН	7.5 - 8.2		
Melting point/freezing point	Not available.		
Initial boiling point and boiling range	Not determined		
Flash point	> 230.0 °F (> 110.0 °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 available.		
Decomposition temperature	Not available.		
Viscosity	>= 2 cp		
Explosive properties	Not available.		
Oxidizing properties	Not determined		
9.2. Other information			
VOC (Weight %)	< 147 g/l		
SECTION 10: Stability and reactivity			

### SECTION 10: Stability and reactivity

10.1. Reactivity 10.2. Chemical stability 10.3. Possibility of hazardous reactions	Not available. Stable under recommended storage conditions. 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 toxicolog	ical effects
Acute toxicity Skin corrosion/irritation Serious eye damage/eye irritation	Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. 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.       Carbon black is classified as a carcinogen by the LARC (possibly carcinogenic to humans, Group, Day) and by the State of California under Propositon So. In their evaluations of carbon black, ben organizations indicate that exposure to carbon black, per se, does not occur when it remains bound within a product matrix, specifically, rubber, ink, or paint. Carbon black is present only in a bound form in this preparation.       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     Test Results       Components     Species     Test Results       Components     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 data are not movel (Pimephales promelas) > 750 mg/l, 96 hours       Aquatic Acade     Species     Test Results       Aquatic Custory     Species     Test Results       Corsof Series     Species     Test Resul				
28) and by the State of California under Proposition 65. In their evaluations of carbon black, both organizations indicate that exposure to carbon black, pers, edges not occur when it remains bound within a product matrix, specifically, rubber, ink, or paint. Carbon black is present only in a bound form in this preparation.       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       Approxibane (CAS 616-45-5)     Acate       Acate     G500 mg/kg       Rat     6500 mg/kg       Rate     5500 mg/kg       Rate     5500 mg/kg       Section 1 for protential health effects and Section 4 f	Carcinogenicity	Based on avai	able data, the classification criteria are not	t met.
Specific target organ toxicity - single exposure     Based on available data, the classification criteria are not met.       Apprecision regret 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)     Keute     Charl       Acute     Gran     Gran     Gran       D50     Guinea pig     6500 mg/kg       Rat     6500 mg/kg       Rat     6500 mg/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     Not expected to be harmful to aquatic organisms.       12.1. Toxicity     Not expected to be harmful to aquatic organisms.       Product     Species     Test Results       Components     Species     Test Results       Aquatic     Custacea     EC50     Water fiea (Daphnia pulex)     13.21 mg/l, 48 hours       12.1. Porsistence		2B) and by the organizations i bound within a	e State of California under Proposition 65. indicate that exposure to carbon black, per a product matrix, specifically, rubber, ink, o	In their evaluations of carbon black, both r se, does not occur when it remains
- single exposure Specific target organ toxicity Specific target organ toxic target organ toxicity Specific target organ tox	Reproductive toxicity	Based on avai	able data, the classification criteria are not	t met.
- repeated exposure       Aspiration hazard       Based on available data, the classification criteria are not met.         Components       Species       Test Results         Corral       Good (CAS 616-45-5)       Keute         Acute       Oral       Good (CAS 616-45-5)         Acute       Good (CAS 616-45-5)       Good (CAS 616-45-5)         Acute       Not available.       Formation         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 organisms.         Aquatic toxicity       Not expected to be harmful to aquatic organisms.         12.1. Toxicity       Product       Species         Product       Species       Test Results         Components       Species       Test Results         2-pyrrolidone (CAS 616-45-5)       Aquatic       Species       Test Results         2-pyrrolidone (CAS 616-45-5)       Aquatic       Species       Test Results         2-pyrrolidone (CAS 616-45-5)       Aquatic       S		Based on avail	able data, the classification criteria are not	t met.
Components       Species       Test Results         2-pyrrolidone (CAS 616-45-5)       Acute       -         Acute       -       -         Oral       LD50       Guinea pig       6500 mg/kg         LD50       Guinea pig       6500 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       Xot expected to be harmful to aquatic organisms.       Test Results         21.1. Toxicity       Not expected to be harmful to aquatic organisms.       12.1. Toxicity         Product       Species       Test Results         C0554 Series       Aquatic Acute       Species       Test Results         2-pyrrolidone (CAS 616-45-5)       Aquatic       Acute       13.21 mg/l, 96 hours         2-pyrrolidone (CAS 616-45-5)       Aquatic       Species       Test Results         12.2. Persistence and degradability       Not available.       13.21 mg/l, 48 hours       13.21 mg/l, 48 hours         12.3. Bioaccumulative potential       Not available.       -0.85       -       -         12.3. Bioaccumulative potential       Not available.       -       -       -         12.4. Mobility in soil       Not availab		Based on avai	able data, the classification criteria are not	t met.
2-pyrrolidone (CAS 616-45-5) Acute <i>Oral</i> LD50 Guinea pig 6500 mg/kg Rat 6500 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 Product Species Test Results CC654 Series Aquatic 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 12.3. Bioaccumulative potential Partition coefficient n-otanol/water (Iog Kow) 2-pyrrolidone (BCF) Not available. 12.4. Mobility in soil 12.5. Results O PBT and VP.B assessment Not a PBT or VPVB substance or mixture. and VP.B	Aspiration hazard	Based on avail	able data, the classification criteria are not	t met.
Acute Oral LD50       Guinea pig Rat       6500 mg/kg         Mixture versus substance information       Not available.       6500 mg/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       Refer to Section 2 for potential health effects and Section 4 for first aid measures.         4quatic toxicity       Not expected to be harmful to aquatic organisms.         12.1. Toxicity       Not expected to be harmful to aquatic organisms.         21.1. Toxicity       Species       Test Results         CC654 Series       Aquatic Acute       Fish       LC50         Fish       LC50       Fathead minnow (Pimephales promelas)       > 750 mg/l, 96 hours         Components       Species       Test Results         2-pyrrolidone (CAS 616-45-5)       Aquatic Acute       Not available.         12.2. Persistence and degradability       Not available.       Not available.         12.3. Bioaccumulative potential       Not available.       -0.85         Partition coefficient "n-octanol/water (log Kow) 2-pyrrolidone       Not available.       -0.85         Bioconcentration factor (BCF)       Not available.       -0.85         12.4. Mobility in soil       Not available.       -	Components	Species	Т	est Results
Ora' LD50       Guinea pig Rat       6500 mg/kg         Mixture versus substance information       Not available.       6500 mg/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.       5         SECTION 12: Ecological information       Not expected to be harmful to aquatic organisms.       1         12.1. Toxicity       Not expected to be harmful to aquatic organisms.       1         Product       Species       Test Results         CC654 Series       Acute Fish       LC50       Fathead minnow (Pimephales promelas) > 750 mg/l, 96 hours         Components       Species       Test Results         2:-pyrrolidone (CAS 616-45-5): Aquatic Crustacea       Not available.       3.21 mg/l, 48 hours         12.2. Persistence and degradability       Not available.       Not available.         12.3. Persistence and degradability       Not available.       -0.85         Partition coefficient n-octanol/water (log Kow) 2-pyrrolidone       -0.85       Not available.         12.4 Mobility in soil       Not available.       -0.85         12.4 Mobility in soil       Not available.       -0.85         12.4 Mobility in soil       Not available.       -0.85         12.5. Results of PBT and VPWB <td< td=""><td>2-pyrrolidone (CAS 616-45-5)</td><td></td><td></td><td></td></td<>	2-pyrrolidone (CAS 616-45-5)			
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     Refer to Section 2 for potential health effects and Section 4 for first aid measures.       SECTION 12: Ecological information     Not expected to be harmful to aquatic organisms.       11. Toxicity     Not expected to be harmful to aquatic organisms.       12.1. Toxicity     Not expected to be harmful to aquatic organisms.       13.1. Toxicity     Not expected to be harmful to aquatic organisms.       13.1. Toxicity     Species       Aquatic     Acute       Fish     LC50       Fish     LC50       Acute     Species       Aquatic     Crustacea       Crustacea     EC50       Meanilable.       12.2. Persistence and degradability     Not available.       13.3. Bioaccumulative potential     Not available.       Partition coefficient n-octanol/water (log Kow) 2-pyrrolidone     -0.85       12.4. Mobility in soil     Not available.       12.5. Results of PBT and VPVB     Not available.	Acute			
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     Aquatic toxicity       Aquatic toxicity     Not expected to be harmful to aquatic organisms.       12.1. Toxicity     Not expected to be harmful to aquatic organisms.       Product     Species       Aquatic     Acute       Fish     LC50       Fish     LC50       Product     Species       Components     Species       2-pyrrolidone (CAS 616-45-5)       Aquatic       Crustacea     EC50       Crustacea     EC50       Vater 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       Pisconcentration factor (BCF)     Not available.       12.4. Mobility in soil     Not available.       12.5. Results of PBT and VPW assessment     Not a PBT or VPVB substance or mixture.	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         Aquatic toxicity       Not expected to be harmful to aquatic organisms.         12.1. Toxicity       Product       Species         Aquatic Acute Fish       LC50       Fathead minnow (Pimephales promelas)       > 750 mg/l, 96 hours         Components       Species       Test Results         2-pyrrolidone (CAS 616-45-5)       Aquatic Acute Fish       LC50       Fathead minnow (Pimephales promelas)       > 750 mg/l, 96 hours         2-pyrrolidone (CAS 616-45-5)       Aquatic Crustacea       EC50       Water flea (Daphnia pulex)       13.21 mg/l, 48 hours         12.3. Bioaccumulative potential       Not available.       -       -       -         12.3. Bioaccumulative potential       Not available.       -       -       -         Bioconcentration factor (BCF)       Not available.       -       -       -         2.2.4. Mobility in soil       Not available.       -       -       -       -         3.2.1. mg/l, 48 bours       -       -       -       -       -       -         3.	LD50	Guinea pig	65	500 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  Aquatic toxicity Not expected to be harmful to aquatic organisms.  12.1. Toxicity Product Species  Aquatic Acute Fish LC50 Fathead minnow (Pimephales promelas) > 750 mg/l, 96 hours  Components Species Custacea EC50 Vater flea (Daphnia pulex) Section 2 for governments  12.2. Persistence and Not available.  12.3. Bioaccumulative potential Partition coefficient n-octanol/water (log Kow) 2-pyrrolidone Custace Refer to available.  12.4. Mobility in soil Not available.  12.5. Results of PBT and PBT or vPvB substance or mixture.  Acute Section 2 for potential effects and section 4 for first aid measures.  Components Co		Rat	65	500 mg/kg
Refer to Section 2 for potential health effects and Section 4 for first aid measures.         SECTION 12: Ecological information         Aquatic toxicity       Not expected to be harmful to aquatic organisms.         12.1. Toxicity         Product       Species       Test Results         CC654 Series       Aquatic       Acute       Fish       LC50       Fathead minnow (Pimephales promelas)       > 750 mg/l, 96 hours         Components       Species       Test Results       Zepyrrolidone (CAS 616-45-5)       Aquatic         Aquatic       Crustacea       EC50       Water flea (Daphnia pulex)       13.21 mg/l, 48 hours         12.2. Persistence and degradability         Not available.       Out available.       -0.85         Dioconcentration factor (BCF)       Not available.       -0.85         Bioconcentration factor (BCF)       Not available.       -0.85         Bioconcentration factor (BCF)         Not a PBT or vPvB substance or mixture.       -0.85         Bioconcentration factor (BCF)       Not available.       -0.85         Bioconcentration factor (BCF)       Not available.       -0.85         Bioconcentration factor (BCF)       Not available.       -0.85         Bioconcentration factor (BCF)       Not available		Not available.		
Aquatic toxicity       Not expected to be harmful to aquatic organisms.         12.1. Toxicity       Forduct       Species         Product       Species       Test Results         CC654 Series       Aquatic       Aquatic         Aquatic       Species       Fish       LC50       Fathead minnow (Pimephales promelas)       > 750 mg/l, 96 hours         Components       Species       Test Results         2-pyrrolidone (CAS 616-45-5)       Aquatic       Test Results         Aquatic       Katatic       Katatic       Katatic         Crustacea       EC50       Water flea (Daphnia pulex)       13.21 mg/l, 48 hours         12.2. Persistence and degradability       Not available.       Section of the section of	Other information			
12.1. Toxicity       Species       Test Results         Product       Species       CC654 Series         Aquatic       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       Crustacea       EC50       Water flea (Daphnia pulex)       13.21 mg/l, 48 hours         12.2. Persistence and degradability       Not available.       Variative       Variative         12.3. Bioaccumulative potential       Not available.       Variative       Variative         Partition coefficient n-octanol/water (log Kow)       -0.85       Variative       Variative         2-pyrrolidone       -0.85       Sinconcentration factor (BCF)       Not available.         12.4. Mobility in soil       Not available.       Variative.         12.5. Results of PBT and VPVB substance or mixture.       Not a PBT or VPvB substance or mixture.         and VPVB assessment       Vita PBT or VPvB substance or mixture.	SECTION 12: Ecological	information		
Product       Species         CC654 Series       Aquatic         Acute       Fish       LC50         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       Crustacea       EC50       Water flea (Daphnia pulex)       13.21 mg/l, 48 hours         12.2. Persistence and degradability       Not available.       Varialable.       Varialable.         12.3. Bioaccumulative potential       Not available.       Varialable.       Varialable.         Partition coefficient n-octanol/water (log Kow)       -0.85       Varialable.       Varialable.         12.4. Mobility in soil       Not available.       Varialable.       Varialable.         12.5. Results of PBT and VPVB substance or mixture.       Not a PBT or VPVB substance or mixture.       Varialable.	Aquatic toxicity	Not expected	to be harmful to aquatic organisms.	
CC654 Series       Aquatic         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         12.2. Persistence and degradability       Not available.       13.21 mg/l, 48 hours         12.3. Bioaccumulative potential       Not available.       For a science of the scienc	12.1. Toxicity			
Aquatic       Acute         Fish       LC50       Fathead minnow (Pimephales promeles)       > 750 mg/l, 96 hours         Components       Species       Test Results         2-pyrrolidone (CAS 616-45-5)       Aquatic       Test Results         Aquatic       Crustacea       EC50       Water flea (Daphnia pulex)       13.21 mg/l, 48 hours         12.2. Persistence and degradability       Not available.       Isoaccumulative       Not available.         12.3. Bioaccumulative       Not available.       Isoaccumulative       Not available.         Partition coefficient       Not available.       Isoaccumulative       Isoaccumulative         Partition coefficient       Not available.       Isoaccumulative       Isoaccumulative         12.4. Mobility in soil       Not available.       Isoaccumulative       Isoaccumulative         12.4. Mobility in soil       Not available.       Isoaccumulative.       Isoaccumulative.         12.4. Mobility in soil       Not available.       Isoaccumulative.       Isoaccumulative.         12.5. Results of PBT       Not a PBT or VPVB substance or mixture.       Isoaccumulative.       Isoaccumulative.         12.5. Results of PBT       Not a PBT or VPVB substance or mixture.       Isoaccumulative.       Isoaccumulative.         12.5. Results of PBT	Product		Species	Test Results
Acute FishLC50Fathead minnow (Pimephales promelas)> 750 mg/l, 96 hoursComponentsSpeciesTest Results2-pyrrolidone (CAS 616-45-5)Aquatic CrustaceaISC50Water flea (Daphnia pulex)13.21 mg/l, 48 hoursAquatic degradabilityNot available.ISC50Water flea (Daphnia pulex)13.21 mg/l, 48 hours12.3. Bioaccumulative potentialNot available.ISC50ISC50Partition coefficient n-octanol/water (log Kow) 2-pyrrolidone-0.85ISC50Bioconcentration factor (BCF)Not available0.8512.4. Mobility in soilNot available.ISC5012.5. Results of PBT and vPvB assessmentNot a PBT or VPB substance or mixture.ISC50	CC654 Series			
FishLC50Fathead minnow (Pimephales promelas)> 750 mg/l, 96 hoursComponentsSpeciesTest Results2-pyrrolidone (CAS 616-45-5)AquaticKKCrustaceaEC50Water flea (Daphnia pulex)13.21 mg/l, 48 hours12.2. Persistence and degradabilityNot available.13.21 mg/l, 48 hours12.3. Bioaccumulative potentialNot availablePartition coefficient n-octanol/water (log Kow) 2-pyrrolidone-0.85-Bioconcentration factor (BCF) 2.5. Results of PBT and vPvB assessmentNot a PBT → VB substance or mixture	Aquatic			
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2-pyrrolidone (CAS 616-45-5) Aquatic Crustacea EC50 Water flea (Daphnia pulex) 13.21 mg/l, 48 hours 12.2. Persistence and Not available. degradability 12.3. Bioaccumulative Not available. potential 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 Not a PBT or vPvB substance or mixture. and vPvB assessment	Fish	LC50	Fathead minnow (Pimephales promelas)	> 750  mg/l 96 hours
Aquatic CrustaceaEC50Water flea (Daphnia pulex)13.21 mg/l, 48 hours12.2. Persistence and degradabilityNot available.12.3. Bioaccumulative potentialNot available.Partition coefficient n-octanol/water (log Kow) 2-pyrrolidoneNot available.Partition coefficient n-octanol/water (log Kow) 2-pyrrolidoneNot available.12.4. Mobility in soilNot available.12.5. Results of PBT and vPvB assessmentNot a PBT or VPvB substance or mixture.			· · · · · ·	~ 750 mg/i, 50 nours
CrustaceaEC50Water flea (Daphnia pulex)13.21 mg/l, 48 hours12.2. Persistence and degradabilityNot available.12.3. Bioaccumulative potentialNot available.Partition coefficient n-octanol/water (log Kow) 2-pyrrolidoneNot available.Partition coefficient 12.4. Mobility in soilNot available.Not available0.8512.4. Mobility in soilNot available.12.5. Results of PBT and vPvB assessmentNot a PBT or VPVB substance or mixture.	Components		,	<b>-</b>
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n-octanol/water (log Kow) 2-pyrrolidone-0.85Bioconcentration factor (BCF)Not available.12.4. Mobility in soilNot available.12.5. Results of PBT and vPvB assessmentNot a VPVB substance or mixture.	2-pyrrolidone (CAS 616-45-5) Aquatic Crustacea 12.2. Persistence and		Species	Test Results
12.4. Mobility in soilNot available.12.5. Results of PBTNot a PBT or vPvB substance or mixture.and vPvBAssessment	2-pyrrolidone (CAS 616-45-5) Aquatic Crustacea 12.2. Persistence and degradability 12.3. Bioaccumulative	Not available.	Species	Test Results
12.5. Results of PBT       Not a PBT or vPvB substance or mixture.         and vPvB       assessment	2-pyrrolidone (CAS 616-45-5) Aquatic Crustacea 12.2. Persistence and degradability 12.3. Bioaccumulative potential Partition coefficient n-octanol/water (log Kow)	Not available.	Species Water flea (Daphnia pulex)	Test Results
and vPvB assessment	2-pyrrolidone (CAS 616-45-5) Aquatic Crustacea 12.2. Persistence and degradability 12.3. Bioaccumulative potential Partition coefficient n-octanol/water (log Kow) 2-pyrrolidone	Not available. Not available.	Species Water flea (Daphnia pulex)	Test Results
<b>12.6. Other adverse effects</b> Not available.	2-pyrrolidone (CAS 616-45-5) Aquatic Crustacea 12.2. Persistence and degradability 12.3. Bioaccumulative potential Partition coefficient n-octanol/water (log Kow) 2-pyrrolidone Bioconcentration factor (BCF)	Not available. Not available. Not available.	Species Water flea (Daphnia pulex)	Test Results
	2-pyrrolidone (CAS 616-45-5) Aquatic Crustacea 12.2. Persistence and degradability 12.3. Bioaccumulative potential Partition coefficient n-octanol/water (log Kow) 2-pyrrolidone Bioconcentration factor (BCF) 12.4. Mobility in soil 12.5. Results of PBT and vPvB	Not available. Not available. Not available. Not available.	Species Water flea (Daphnia pulex) -0.85	Test Results

### 13.1. Waste treatment methods

Residual waste	Not available.
Contaminated packaging	Not available.
EU waste code	Not available.

Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations. Do not allow this material to drain into sewers/water supplies. 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

IMDG

Not regulated as dangerous goods.

# 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 Regulation (EC) No. 143/2011 Annex XIV Substances Subject to Authorization Not listed. Restrictions on use Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended

Not listed.

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

Not regulated.

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

Not regulated.

#### **Other EU regulations**

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

Directive 98/24/EC on the 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 th	ne 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	22-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.
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 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					

CC656Series[Y][3]-SDS\_UK-English-46.pdf

CC656Series[C][3]-SDS\_UK-English-31.pdf

CC656Series[M][3]-SDS\_UK-English-33.pdf



# SAFETY DATA SHEET

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

1.1. Product identifier	
Trade name or	CC656Series[Y][3]
designation of the mixture	
Registration number	-
Synonyms	None.
Issue date	16-Jun-2015
Version number	03
Revision date	07-Jul-2016
Supersedes date	10-Oct-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

5 5	
Contains:	Aliphatic diol, magnesium nitrate hexahydrate, 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

eneral information					
Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
Water	65-75	7732-18-5 231-791-2	-	-	
Classification: -					
Aliphatic diol	< 15	Proprietary	01-2119449814-31-XXXX	-	
Classification: -		-			
Yellow colorant	< 7.5	Proprietary	-	-	
Classification: -					
magnesium nitrate hexahydra	te < 5	13446-18-9 233-826-7	01-2119491164-38-XXXX	-	
Classification: Eye	Irrit. 2;H319				
mposition comments	This ink supply co	ontains an aqueous i	ink formulation.		
ECTION 4: First aid mea	asures				
eneral information	Not available.				
1. Description of first aid me	asures				
Inhalation	Move to fresh air.	If symptoms persis	t, get medical attention.		
Skin contact	Wash affected are attention.	eas thoroughly with	mild soap and water. If irritatio	n persists get me	edical
Eye contact	Do not rub eyes. Immediately flush with large amounts of clean, warm water (low pressure) for a least 15 minutes or until particles are removed. If irritation persists get medical attention.				
Ingestion	If ingestion of a la	arge amount does o	ccur, seek medical attention.		
2. Most important mptoms and effects, both ute and delayed	Not available.				
3. Indication of any mediate medical attention d special treatment	Not available.				

# **SECTION 5: Firefighting measures**

needed

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	None established.		

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

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

incompatibilities 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).
<b>Biological limit values</b>	No biological exposure limits noted for the ingredient(s).
Recommended monitoring procedures	Not available.

### Derived no-effect level (DNEL)

**Environmental exposure** 

controls

storage, including any

Derived no-effect level (DNE	L)				
Components		Туре	Route	Value	Form
magnesium nitrate hexahydi 13446-18-9)	rate (CAS	Consumers	Dermal	12.5 mg/kg bw/d	Systemic long term
			Inhalation	10.9 mg/m3	Systemic long term
			Oral	12.5 mg/kg bw/d	Systemic long term
		Workers	Dermal	20.8 mg/kg bw/d	Systemic long term
			Inhalation	36.7 mg/m3	Systemic long term
Predicted no effect concentra	ations (PNEC	s)			
Components		Туре	Route	Value	Form
magnesium nitrate hexahydi 13446-18-9)	rate (CAS	Not applicable	Freshwater	0.45 mg/l	
			Intermittant	4.5 mg/l	Releases
			Marine water	0.045 mg/l	
			STP	18 mg/l	Sewage Treatment Plant
Exposure guidelines	Exposure I	imits have not been es	stablished for this	product.	
8.2. Exposure controls					
Appropriate engineering controls	Use in a w	ell ventilated area.			
Individual protection measu	es, such as p	personal protective	equipment		
General information	Use persor	nal protective equipme	ent to minimize exp	osure to skin and e	ye.
Eye/face protection	Not availat	ole.			
Skin protection					
- Hand protection	Not availat	ole.			
- Other	Not availat	ole.			
<b>Respiratory protection</b>	Not availat	ole.			
Thermal hazards	Not available.				
Hygiene measures	Handle in a	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	Liquid.
Color	Yellow
Odor	Not available.
Odor threshold	Not available.
рН	7.2 - 7.4
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 ex	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	>= 2 cp
Explosive properties	Not available.
Oxidizing properties	Not determined
9.2. Other information	
VOC (Weight %)	< 241 g/l

### **SECTION 10: Stability and reactivity**

10.1. Reactivity 10.2. Chemical stability	Not available. 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

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.

Not available.

Specific target organ toxicity - single exposure	Based on avai	lable data, the classification criteria are n	ot met.		
Specific target organ toxicity - repeated exposure	Based on avai	Based on available data, the classification criteria are not met.			
Aspiration hazard	Based on avai	Based on available data, the classification criteria are not met.			
Components	Species		Test Results		
Aliphatic diol (CAS Proprietary)					
Acute					
Dermal					
LD50	Rabbit		> 10000 mg/kg		
Oral					
LD50	Rat		3730 mg/kg		
Other					
LD50	Mouse		1738 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 (10 mg/L) = $100\%$				
12.1. Toxicity					
Product		Species	Test Results		
CC656Series[Y][3]					
Aquatic					
Acute					
Fish	LC50	Fathead minnow (Pimephales promelas	) 434 mg/l, 96 hours		
12.2. Persistence and degradability	Not available.				
12.3. Bioaccumulative potential	Not available.				
Partition coefficient n-octanol/water (log Kow) Aliphatic diol		-0.106			
<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 co	onsideration	IS			
13.1. Waste treatment metho	ds				
Residual waste	Not available.				

Residual waste	Not available.
Contaminated packaging	Not available.
EU waste code	Not available.
Disposal methods/information	Do not allow this material to drain into sewers/water supplies. Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.
	HP's Planet Partners (trademark) supplies recycling program enables simple, convenient recycling of HP original inkjet and LaserJet supplies. For more information and to determine if this service is available in your location, please visit http://www.hp.com/recycle.

# **SECTION 14: Transport information**

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

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

Not listed.

### **Restrictions on use**

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

Not listed.

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

Not regulated.

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

Not regulated.

### **Other EU regulations**

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

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

Not regulated.

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

Not regulated.

#### Other regulations

All chemical substances in this HP product have been notified or are exempt from notification under chemical substances notification laws in the following countries: US (TSCA), EU (EINECS/ELINCS), Switzerland, Canada (DSL/NDSL), Australia, Japan, Philippines, South Korea, New Zealand, and China.

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	rmation
References	Not available.
Information on evaluation method leading to the classification of mixture	Not available.
Issue date	16-Jun-2015

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

#### **Explanation of abbreviations**

**Manufacturer information** 

**Revision information** 

**Training information** 

Disclaimer

None.

Not available.

countries.

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

HP Inc.

CASChemical Abstracts ServiceCERCLAComprehensive Environmental Response Compensation and Liability ActCFRCode of Federal RegulationsCOCCleveland Open CupDOTDepartment of TransportationEPCRAEmergency Planning and Community Right-to-Know Act (aka SARA)IARCInternational Agency for Research on CancerNIOSHNational Institute for Occupational Safety and HealthNTPNational Toxicology ProgramOSHAOccupational Safety and Health AdministrationPELPermissible Exposure LimitRCRAResource Conservation and Recovery ActRECRecommendedRELRecommended Exposure LimitSARASuperfund Amendments and Reauthorization Act of 1986STELShort-Term Exposure LimitTCLPToxicity Characteristics Leaching ProcedureTLVThreshold Limit ValueTSCAValutition of the demoded	ACGIH	American Conference of Governmental Industrial Hygienists
CFRCode of Federal RegulationsCOCCleveland Open CupDOTDepartment of TransportationEPCRAEmergency Planning and Community Right-to-Know Act (aka SARA)IARCInternational Agency for Research on CancerNIOSHNational Institute for Occupational Safety and HealthNTPNational Toxicology ProgramOSHAOccupational Safety and Health AdministrationPELPermissible Exposure LimitRCRAResource Conservation and Recovery ActRECRecommended Exposure LimitSARASuperfund Amendments and Reauthorization Act of 1986STELShort-Term Exposure LimitTCLPToxicity Characteristics Leaching ProcedureTLVThreshold Limit ValueTSCAToxic Substances Control Act	CAS	Chemical Abstracts Service
COCCleveland Open CupDOTDepartment of TransportationEPCRAEmergency Planning and Community Right-to-Know Act (aka SARA)IARCInternational Agency for Research on CancerNIOSHNational Institute for Occupational Safety and HealthNTPNational Toxicology ProgramOSHAOccupational Safety and Health AdministrationPELPermissible Exposure LimitRCRAResource Conservation and Recovery ActRECRecommendedRELSuperfund Amendments and Reauthorization Act of 1986STELShort-Term Exposure LimitTCLPToxicity Characteristics Leaching ProcedureTLVThreshold Limit ValueTSCAToxic Substances Control Act	CERCLA	Comprehensive Environmental Response Compensation and Liability Act
DOTDepartment of TransportationEPCRAEmergency Planning and Community Right-to-Know Act (aka SARA)IARCInternational Agency for Research on CancerNIOSHNational Institute for Occupational Safety and HealthNTPNational Toxicology ProgramOSHAOccupational Safety and Health AdministrationPELPermissible Exposure LimitRCRAResource Conservation and Recovery ActRECRecommendedRELSuperfund Amendments and Reauthorization Act of 1986STELShort-Term Exposure LimitTCLPToxicity Characteristics Leaching ProcedureTLVThreshold Limit ValueTSCAToxic Substances Control Act	CFR	Code of Federal Regulations
EPCRAEmergency Planning and Community Right-to-Know Act (aka SARA)IARCInternational Agency for Research on CancerNIOSHNational Institute for Occupational Safety and HealthNTPNational Toxicology ProgramOSHAOccupational Safety and Health AdministrationPELPermissible Exposure LimitRCRAResource Conservation and Recovery ActRECRecommendedRELSuperfund Amendments and Reauthorization Act of 1986STELShort-Term Exposure LimitTCLPToxicity Characteristics Leaching ProcedureTLVThreshold Limit ValueTSCAToxic Substances Control Act	COC	Cleveland Open Cup
IARCInternational Agency for Research on CancerNIOSHNational Institute for Occupational Safety and HealthNTPNational Toxicology ProgramOSHAOccupational Safety and Health AdministrationPELPermissible Exposure LimitRCRAResource Conservation and Recovery ActRECRecommendedRELRecommended Exposure LimitSARASuperfund Amendments and Reauthorization Act of 1986STELShort-Term Exposure LimitTCLPToxicity Characteristics Leaching ProcedureTLVThreshold Limit ValueTSCAToxic Substances Control Act	DOT	Department of Transportation
NIOSHNational Institute for Occupational Safety and HealthNTPNational Toxicology ProgramOSHAOccupational Safety and Health AdministrationPELPermissible Exposure LimitRCRAResource Conservation and Recovery ActRECRecommendedRELRecommended Exposure LimitSARASuperfund Amendments and Reauthorization Act of 1986STELShort-Term Exposure LimitTCLPToxicity Characteristics Leaching ProcedureTLVThreshold Limit ValueTSCAToxic Substances Control Act	EPCRA	Emergency Planning and Community Right-to-Know Act (aka SARA)
NTPNational Toxicology ProgramOSHAOccupational Safety and Health AdministrationPELPermissible Exposure LimitRCRAResource Conservation and Recovery ActRECRecommendedRELRecommended Exposure LimitSARASuperfund Amendments and Reauthorization Act of 1986STELShort-Term Exposure LimitTCLPToxicity Characteristics Leaching ProcedureTLVThreshold Limit ValueTSCAToxic Substances Control Act	IARC	International Agency for Research on Cancer
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RCRAResource Conservation and Recovery ActRECRecommendedRELRecommended Exposure LimitSARASuperfund Amendments and Reauthorization Act of 1986STELShort-Term Exposure LimitTCLPToxicity Characteristics Leaching ProcedureTLVThreshold Limit ValueTSCAToxic Substances Control Act	OSHA	Occupational Safety and Health Administration
RECRecommendedRELRecommended Exposure LimitSARASuperfund Amendments and Reauthorization Act of 1986STELShort-Term Exposure LimitTCLPToxicity Characteristics Leaching ProcedureTLVThreshold Limit ValueTSCAToxic Substances Control Act	PEL	Permissible Exposure Limit
RELRecommended Exposure LimitSARASuperfund Amendments and Reauthorization Act of 1986STELShort-Term Exposure LimitTCLPToxicity Characteristics Leaching ProcedureTLVThreshold Limit ValueTSCAToxic Substances Control Act	RCRA	Resource Conservation and Recovery Act
SARASuperfund Amendments and Reauthorization Act of 1986STELShort-Term Exposure LimitTCLPToxicity Characteristics Leaching ProcedureTLVThreshold Limit ValueTSCAToxic Substances Control Act	REC	Recommended
STELShort-Term Exposure LimitTCLPToxicity Characteristics Leaching ProcedureTLVThreshold Limit ValueTSCAToxic Substances Control Act	REL	Recommended Exposure Limit
TCLPToxicity Characteristics Leaching ProcedureTLVThreshold Limit ValueTSCAToxic Substances Control Act	SARA	Superfund Amendments and Reauthorization Act of 1986
TLVThreshold Limit ValueTSCAToxic Substances Control Act	STEL	Short-Term Exposure Limit
<b>TSCA</b> Toxic Substances Control Act	TCLP	Toxicity Characteristics Leaching Procedure
	TLV	Threshold Limit Value
	TSCA	Toxic Substances Control Act
VOC Volatile Organic Compounds	VOC	Volatile Organic Compounds
List of abbreviations Not available.	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	
	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	CC656Series[C][3]
Registration number	-
Synonyms	None.
Issue date	16-Jun-2015
Version number	03
Revision date	07-Jul-2016
Supersedes date	10-Oct-2015
1.2. Relevant identified uses of	f the substance or mixture and uses advised against
Identified uses	Inkjet printing
Uses advised against	None known.
Company identification	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:	1,5-pentanediol, Copper phthalocyanine direct dye salt, magnesium nitrate hexahydrate, 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 and 2-Methyl-2H-isothiazol-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 in	nformation
------------	------------

Chemical name	%	CAS-No. / EC No.	<b>REACH Registration No.</b>	Index No.	Note
Water	65-75	7732-18-5 231-791-2	-	-	
Classification: -					
1,5-pentanediol	<7.5	111-29-5 203-854-4	01-2119449341-44-XXXX	-	
Classification: -					
Copper phthalocyanine direct dye	salt <5	Proprietary	-	-	
Classification: Eye Dan	n. 1;H318, Aqua	atic Chronic 3;H412			
magnesium nitrate hexahydrate	<5	13446-18-9 233-826-7	01-2119491164-38-XXXX	-	
Classification: Eye Irrit	2;H319				
nposition comments Th	is ink supply co	ntains an aqueous	ink formulation.		

General information	Not available.
4.1. Description of first aid me	easures
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, 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.		
<b>7.2. Conditions for safe</b> Keep out of the reach of children. Keep away from excessive heat or cold.			

incompatibilities 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).
<b>Biological limit values</b>	No biological exposure limits noted for the ingredient(s).
Recommended monitoring procedures	Not available.

### Derived no-effect level (DNEL)

controls

storage, including any

erived no-effect level (DNEL Components	,	Тура	Route	Value	Form
•		Туре			
magnesium nitrate hexahydrate (CAS 13446-18-9)		Consumers	Dermal	12.5 mg/kg bw/d	Systemic long term
			Inhalation	10.9 mg/m3	Systemic long term
			Oral	12.5 mg/kg bw/d	Systemic long term
		Workers	Dermal	20.8 mg/kg bw/d	Systemic long term
			Inhalation	36.7 mg/m3	Systemic long term
redicted no effect concentra	tions (PNEC	s)			
Components	-	Туре	Route	Value	Form
magnesium nitrate hexahydrate (CAS 13446-18-9)		Not applicable	Freshwater	0.45 mg/l	
			Intermittant	4.5 mg/l	Releases
			Marine water	0.045 mg/l	
			STP	18 mg/l	Sewage Treatment Plant
xposure guidelines	Exposure l	mits have not been es	stablished for this	product.	
.2. Exposure controls					
ppropriate engineering ontrols	Use in a well ventilated area.				
ndividual protection measure	es, such as p	personal protective	equipment		
General information	Use persor	al protective equipme	ent to minimize exp	osure to skin and e	ye.
Eye/face protection	Not available.				
Skin protection					
- Hand protection	Not availat	ole.			
- Other	Not availat	ole.			
Respiratory protection	Not availat	ole.			
	Not availat	ble.			
Thermal hazards	not aranac	Handle in accordance with good industrial hygiene and safety practice.			
I hermal hazards ygiene measures		accordance with good	industrial hygiene	and safety practice.	

# **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 - 7.5	
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 explosive 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	Not available.	
Explosive properties	Not available.	
Oxidizing properties	Not determined	
9.2. Other information		
VOC (Weight %)	< 269 g/l	

### **SECTION 10: Stability and reactivity**

10.1. Reactivity 10.2. Chemical stability 10.3. Possibility of hazardous reactions	Not available. Stable under recommended storage conditions. 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** 

11.1. Information on toxicological effects

Acute toxicity Skin corrosion/irritation Serious eye damage/eye irritation	Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. 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.

Not available.

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**

Product		Species	Test Results	
CC656Series[C][3]				
Aquatic				
Acute				
Algae	EC50	Algae	> 100 mg/l, 72 hours	
Crustacea	EC50	Daphnia	> 100 mg/l, 48 hours	
12.2. Persistence and degradability	Not available.	Not available.		
12.3. Bioaccumulative potential	Not available.	Not available.		
Bioconcentration factor (BCF)	Not available.	Not available.		
12.4. Mobility in soil	Not available.	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 methods

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.

### ΙΑΤΑ

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 Regulation (EC) No. 143/2011 Annex XIV Substances Subject to Authorization Not listed. **Restrictions on use** Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended Not listed. Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work Not regulated. Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breastfeeding Not regulated. **Other EU regulations** Directive 96/82/EC (Seveso II) on the control of major-accident hazards involving dangerous substances Not regulated. Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work Not regulated. Directive 94/33/EC on the protection of young people at work Not regulated. Other regulations All chemical substances in this HP product have been notified or are exempt from notification under chemical substances notification laws in the following countries: US (TSCA), EU (EINECS/ELINCS), Switzerland, Canada (DSL/NDSL), Australia, Japan, Philippines, South Korea, New Zealand, and China. 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 See attached SUMI or GEIS document, if applicable. assessment

### **SECTION 16: Other information**

References	Not available.
Information on evaluation method leading to the classification of mixture	Not available.
Issue date	16-Jun-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** Comprehensive Environmental Response Compensation and Liability Act CERCLA 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\*

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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
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	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	CC656Series[M][3]
Registration number	-
Synonyms	None.
Issue date	16-Jun-2015
Version number	03
Revision date	07-Jul-2016
Supersedes date	10-Oct-2015
1.2. Relevant identified uses of	f the substance or mixture and uses advised against
Identified uses	Inkjet printing
Uses advised against	None known.
Company identification	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 Regulatio	
Contains:	Aliphatic diol, magnesium nitrate hexahydrate, 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 and 2-Methyl-2H-isothiazol-3-one. May produce an allergic reaction.
2.3. Other hazards	Complete toxicity data are not available for this specific formulation.
	Potential routes of overexposure to this product are skin and eye contact. Inhalation of vapor and ingestion are not expected to be significant routes of exposure for this product under normal use conditions.

### **SECTION 3: Composition/information on ingredients**

### 3.2. Mixtures

### **General information**

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
Water	65-75	7732-18-5 231-791-2	-	-	
Classification: -					
Aliphatic diol	<15	Proprietary	01-2119449814-31-XXXX	-	
Classification: -		-			
magnesium nitrate hexahydrate	<2.5	13446-18-9 233-826-7	01-2119491164-38-XXXX	-	
<b>Classification:</b> Eye Irrit. 2	:H319				

### **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	Not available.

needed

### **SECTION 5: Firefighting measures**

General fire hazards 5.1. Extinguishing media	Not available.
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 flush into surface water or sanitary sewer system. Do not let product enter drains.
6.3. Methods and material for containment and cleaning up	Dike the spilled material, where this is possible. Absorb with inert absorbent such as dry clay, sand or diatomaceous earth, commercial sorbents, or recover using pumps.
6.4. Reference to other sections	For waste disposal, see section 13 of the SDS.

### **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).
<b>Biological limit values</b>	No biological exposure limits noted for the ingredient(s).
Recommended monitoring procedures	Not available.
procedures	

### Derived no-effect level (DNEL)

Components		Туре	Route	Value	Form
magnesium nitrate hexahydrate (CAS 13446-18-9)		Consumers	Dermal	12.5 mg/kg bw/d	Systemic long term
			Inhalation	10.9 mg/m3	Systemic long term
			Oral	12.5 mg/kg bw/d	Systemic long term
		Workers	Dermal	20.8 mg/kg bw/d	Systemic long term
			Inhalation	36.7 mg/m3	Systemic long term
Predicted no effect concentra	tions (PNECs	)			Form
Components		Туре	Route	Value	
magnesium nitrate hexahydr 13446-18-9)	ate (CAS	Not applicable	Freshwater	0.45 mg/l	
			Intermittant	4.5 mg/l	Releases
			Marine water	0.045 mg/l	
			STP	18 mg/l	Sewage Treatment Plant
Exposure guidelines	Exposure lir	nits have not been es	stablished for this	product.	
8.2. Exposure controls					
Appropriate engineering controls	Use in a we	ll ventilated area.			
Individual protection measur	es, such as p	ersonal protective	equipment		
General information	Use persona	al protective equipme	ent to minimize exp	oosure to skin and e	ye.
Eye/face protection	Not availabl	e.			
Skin protection					
- Hand protection	Not availabl	e.			
- Other	Not availabl	e.			
<b>Respiratory protection</b>	Not availabl	e.			
Thermal hazards	Not availabl	e.			
Hygiene measures	Handle in a	ccordance with good	industrial hygiene	and safety practice.	
Environmental exposure 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	7 - 7.5
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 Determined
Decomposition temperature	Not available.
Viscosity	Not available.
Explosive properties	Not available.
Oxidizing properties	Not determined
9.2. Other information	
VOC (Weight %)	< 251 g/l
SECTION 10: Stability an	d reactivity

### **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.

Components	Species	Test Results
Aliphatic diol (CAS Proprietary)		
Acute		
Dermal		
LD50	Rabbit	> 10000 mg/kg
Oral		
LD50	Rat	3730 mg/kg
Other		
LD50	Mouse	1738 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
CC656Series[M][3]			
Aquatic			
Algae	EC50	Algae	> 100 mg/l, 72 hr
I	NOEC	Algae	100 mg/l, 72 hr
Crustacea	EC50	Daphnia	> 100 mg/l, 48 hr
I	NOEC	Daphnia	100 mg/l, 48 hr
12.2. Persistence and degradability	Not available		
12.3. Bioaccumulative potential	Not available	<u>).</u>	
Partition coefficient n-octanol/water (log Kow) Aliphatic diol		-0.106	
Bioconcentration factor (BCF)	Not available		
12.4. Mobility in soil	Not available		
12.5. Results of PBT and vPvB assessment		vPvB substance or mixture.	
12.6. Other adverse effects	Not available	<u>.</u>	

### **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 dispose of together with general office waste. 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.

### **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

#### Not listed.

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

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

#### Not listed.

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

#### Authorizations

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

Not listed.

#### **Restrictions on use**

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

#### Not listed.

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

#### Not regulated.

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

Not regulated.

#### **Other EU regulations**

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

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

Not regulated.

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

Not regulated.

Other regulations	All chemical substances in this HP product have been notified or are exempt from notification under chemical substances notification laws in the following countries: US (TSCA), EU (EINECS/ELINCS), Switzerland, Canada (DSL/NDSL), Australia, Japan, Philippines, South Korea, New Zealand, and China.
Other information	This Safety Data Sheet complies with the requirements of Degulation (EC) No. 1007/2006. Specific

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).

### **SECTION 16: Other information**

References Information on evaluation method leading to the	Not available. Not available.
classification of mixture Issue date	16-Jun-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.

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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
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	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	
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