

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.	REACH Registration No.	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	-	
Classification:	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.		
 Most important mptoms and effects, both ute and delayed 	Not available.				
 Indication of any mediate medical attention special treatment eded 	Not available. n				
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).
Biological limit values	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.			
Respiratory protection	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				
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degradability12.3. Bioaccumulative potentialNot available.Partition coefficient 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 PBT or vPvB substance or mixture.	2-pyrrolidone (CAS 616-45-5)		,	-
12.3. Bioaccumulative potentialNot available.Partition coefficient 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 PBT or vPvB substance or mixture.	2-pyrrolidone (CAS 616-45-5) Aquatic	EC50	Species	Test Results
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
12.6. Other adverse effects 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
Revision information	None.
Training information	Not available.
Disclaimer	This Safety Data Sheet document is provided without charge to customers of HP. Data is the most current known to HP at the time of preparation of this document and is believed to be accurate. It should not be construed as guaranteeing specific properties of the products as described or suitability for a particular application. This document was prepared to the requirements of the jurisdiction specified in Section 1 above and may not meet regulatory requirements in other countries.
Manufacturer information	HP Inc. 1501 Page Mill Road Palo Alto, CA 94304-1112 US Direct 1-650-857-5020

Explanation of abbreviations

ACGIH	American Conference of Governmental Industrial Hygienists
CAS	Chemical Abstracts Service
CERCLA	Comprehensive Environmental Response Compensation and Liability Act
CFR	Code of Federal Regulations
COC	Cleveland Open Cup
DOT	Department of Transportation
EPCRA	Emergency Planning and Community Right-to-Know Act (aka SARA)
IARC	International Agency for Research on Cancer
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
RCRA	Resource Conservation and Recovery Act
REC	Recommended
REL	Recommended Exposure Limit
SARA	Superfund Amendments and Reauthorization Act of 1986
STEL	Short-Term Exposure Limit
TCLP	Toxicity Characteristics Leaching Procedure
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
VOC	Volatile Organic Compounds
List of abbreviations	Not available.

Safe Use of Mixture Information (SUMI)

Water Based Ink: WB01 *English*

Disclaimer

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

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

, , , , , , , , , , , , , , , , , , ,	3, where upplicable, completes an extended product 3D3.					
Operational conditions						
Maximum duration	Up to 8 hours per day					
Frequency of exposure	< 240 days per year					
Process conditions	Covers use at ambient temperatures. Adequate ventilation should be provide for the areas where printing is performed. ANSI/ASHRAE Standard 62.1-2013 provides guidelines to ensure acceptable air quality in the workspace. Avoid direct contact. Regular cleaning of equipment and work area. Supervision in place to check that Risk Management Measures are in place are being correctly used and Operational Conditions					
	followed.					
Risk management measures						
Conditions and measures	Wear safety glasses with side shields (or goggles), if splashing is possible.					
related to Personal Protection						
	Wear appropriate chemical resistent gloves: see section 8 of the SDS.					
Equipment, hygiene and	Wear appropriate chemical resistent clothing.					
health evaluation	In case of inadequate ventilation wear respiratory protection.					
	Eye wash fountain and emergency showers are recommended.					
	Avoid breathing mist/vapours.					
	Avoid contact with skin, eyes and clothing.					
	Training of workers in relation to proper use and maintenance of all Personal protection equipment (PPE) must be ensured.					
Good practice advice						
Use personal protective equipme	ent as required.					
Wash hands before breaks and a	after work.					
Keep good industrial hygiene and	d safety practice.					
Use only with adequate ventilati						
Do no eat, drink or smoke when						
Wash contaminated clothing be						
Store at room temperature.						
Environmental measures						
	in intercourse/unitercourselies					
Do not allow this material to dra						
-	ding to Local, State, Federal and Provincial Environmental Regulations.					
	ith appropriately licenced waste contractor.					
Use descriptors						
IS-Use at industrial sites						
PW-Widespread use by profession	onal workers					
SU7-Printing and reproduction n	nedia					
PC18-Inks and Toners						
PROC1-Chemical production or 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).
Biological limit values	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.			
Respiratory protection	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			
Bioconcentration factor (BCF)	Not available.				
12.4. Mobility in soil	Not available.				
12.5. Results of PBT and vPvB assessment	Not a PBT or	vPvB substance or mixture.			
12.6. Other adverse effects	Not available.				
SECTION 13: Disposal 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
OSHAOccupational 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	NIOSH	National Institute for Occupational Safety and Health
PELPermissible 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	NTP	National Toxicology Program
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
TSCA 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.

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



SAFETY DATA SHEET

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

1.1. Product identifier	
Trade name or designation of the mixture	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.	REACH Registration No.	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.		
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).
Biological limit values	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*

Disclaimer

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

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

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



SAFETY DATA SHEET

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

1.1. Product identifier	
Trade name or designation of the mixture	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	-	
Classification: 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).
Biological limit values	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.			
Respiratory protection	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
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