CH562Series[C][3]-SDS_UK-English-50.pdf

CH562Series[M][3]-SDS_UK-English-50.pdf

CH562Series[Y][3]-SDS_UK-English-53.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	CH562Series[C][3]
Registration number	-
Synonyms	None.
Issue date	07-Oct-2014
Version number	04
Revision date	19-Jun-2016
Supersedes date	30-Aug-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:	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. 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	70-95	7732-18-5 231-791-2	-	-	
Classification: -					
Copper phthalocyanine direct dye salt	< 5	Proprietary	-	-	
Classification: Eye Dam. 1;	H318, Aqua	atic Chronic 3;H412			
magnesium nitrate hexahydrate	< 2.5	13446-18-9 233-826-7	01-2119491164-38-XXXX	-	
Classification: Eye Irrit. 2;H	1319				
mposition comments This in	k supply co	ontains an aqueous	ink formulation.		

SECTION 4: First aid measures

General information Not available.

4.1. Description of first aid me	asures
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	Not available.

needed

SECTION 5: Firefighting measures

General fire hazards	Not available.
5.1. Extinguishing media Suitable extinguishing media	Dry chemical, CO2, water spray or regular foam.
Unsuitable extinguishing media	None known.
5.2. Special hazards arising from the substance or mixture	Not available.
5.3. Advice for firefighters Special protective equipment for firefighters	Not available.
Special fire fighting procedures	Not available.
Specific methods	None established.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	Wear appropriate personal protective equipment.
For emergency responders	Not available.

6.2. Environmental precautions	Do not let p	Do not let product enter drains. Do not flush into surface water or sanitary sewer system.			
6.3. Methods and material for containment and cleaning up		Dike the spilled material, where this is possible. Absorb with inert absorbent such as dry clay, sand or diatomaceous earth, commercial sorbents, or recover using pumps.			
6.4. Reference to other sections	Not availabl	Not available.			
SECTION 7: Handling and	d storage				
7.1. Precautions for safe handling	Avoid conta	ct with skin, eyes and	d clothing.		
7.2. Conditions for safe storage, including any incompatibilities	Keep out of	Keep out of the reach of children. Keep away from excessive heat or cold.			
7.3. Specific end use(s)	Not availabl	e.			
SECTION 8: Exposure co	ntrols/pe	sonal protection	on		
8.1. Control parameters					
Occupational exposure limits	No exposure	e limits noted for ing	redient(s).		
Biological limit values	No biologica	al exposure limits not	ed for the ingredie	ent(s).	
Recommended monitoring procedures	Not availabl	e.			
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 concentrat	ions (PNECs	5)			
Components		Туре	Route	Value	Form
magnesium nitrate hexahydra 13446-18-9)	te (CAS	Not applicable	Freshwater	0.45 mg/l	
			Intermittant	4.5 mg/l	Releases
			Marine water	5.	
			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 measure General information		ersonal protective al protective equipme		oosure to skin and e	ye.
Eye/face protection	Not availabl				
Skin protection					
- Hand protection	Not availabl	e.			
- Other	Not availabl	-			

Respiratory protection	Not available.
Thermal hazards	Not available.
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice.
Environmental exposure controls	Not available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	
Physical state	Liquid.
Color	Cyan
Odor	Not available.

Odor threshold	Not available.
рН	8 - 8.4
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 e	xplosive limits
Flammability limit - lower (%)	Not available.
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 %)	< 156 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.
Mixture versus substance information	Not available.

SECTION 12: Ecological information

Aquatic toxicity	This product has not been tested for ecological effects.
12.1. Toxicity	No toxicity data noted for the ingredient(s).
12.2. Persistence and degradability	Not available.
12.3. Bioaccumulative potential	Not available.
Bioconcentration factor (BCF)	Not available.
12.4. Mobility in soil	Not available.
12.5. Results of PBT and vPvB assessment	Not a PBT or vPvB substance or mixture.
12.6. Other adverse effects	Not available.

SECTION 13: Disposal considerations

13.1. Waste treatment meth	ods
Residual waste	Not available.
Contaminated packaging	Not available.
EU waste code	Not available.
Disposal methods/information	Do not 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

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 Not listed.	9/2008 concerning the export and import of dangerous chemicals, Annex V as amended
	6/2006 Annex II Pollutant Release and Transfer Registry
Not listed.	
Regulation (EC) No. 190	07/2006, REACH Article 59(1) Candidate List as currently published by ECHA
Not listed.	
Authorizations	
Regulation (EC) No. 143 Not listed.	3/2011 Annex XIV Substances Subject to Authorization
Restrictions on use	
Regulation (EC) No. 190 amended	07/2006, REACH Annex XVII Substances subject to restriction on marketing and use as
Not listed. Directive 2004/37/EC: mutagens at work	on the protection of workers from the risks related to exposure to carcinogens and
Not regulated. Directive 92/85/EEC: o are breastfeeding	n the safety and health of pregnant workers and workers who have recently given birth or
Not regulated.	
Other EU regulations	
Directive 96/82/EC (Se	veso II) on the control of major-accident hazards involving dangerous substances
Not regulated. Directive 98/24/EC on t agents at work	the protection of the health and safety of workers from the risks related to chemical
Not regulated.	
	the protection of young people at work
Not regulated.	
Other regulations	All chemical substances in this HP product have been notified or are exempt from notification under chemical substances notification laws in the following countries: US (TSCA), EU (EINECS/ELINCS), Switzerland, Canada (DSL/NDSL), Australia, Japan, Philippines, South Korea, New Zealand, and China.
Other information	This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006.
	Specific Provisions: Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC (in the amended version OJ L 396 from 29.05.2007 page 3 with further rectifications and amendments).
National regulations	Not available.
15.2. Chemical safety assessment	See attached SUMI or GEIS document, if applicable.

SECTION 16: Other information

References	Not available.
Information on evaluation method leading to the classification of mixture	Not available.
Issue date	07-Oct-2014
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.

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



SAFETY DATA SHEET

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

1.1. Product identifier	
Trade name or	CH562Series[M][3]
designation of the mixture	
Registration number	-
Synonyms	None.
Issue date	07-Oct-2014
Version number	04
Revision date	19-Jun-2016
Supersedes date	30-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

Laber according to Regulation	
Contains:	2-pyrrolidone, 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. May produce an allergic reaction.
2.3. Other hazards	Potential routes of overexposure to this product are skin and eye contact. Inhalation of vapor and ingestion are not expected to be significant routes of exposure for this product under normal use conditions.
	Complete toxicity data are not available for this specific formulation.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
Water	65-85	7732-18-5 231-791-2	-	-	
Classification:	-				
2-pyrrolidone	< 7.5	616-45-5 210-483-1	01-2119475471-37-XXXX	-	
Classification:	Eye Irrit. 2;H319				
magnesium nitrate hexa	hydrate < 2.5	13446-18-9 233-826-7	01-2119491164-38-XXXX	-	
Classification:	Eye Irrit. 2;H319				

Composition comments

This ink supply contains an aqueous ink formulation.

SECTION 4: First aid measures

General information Not available.

4.1. Description of first aid me	asures		
Inhalation	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	Not available.		

needed

SECTION 5: Firefighting measures

General fire hazards	Not available.
5.1. Extinguishing media Suitable extinguishing media	Dry chemical, CO2, water spray or regular foam.
Unsuitable extinguishing media	None known.
5.2. Special hazards arising from the substance or mixture	Not available.
5.3. Advice for firefighters Special protective equipment for firefighters	Not available.
Special fire fighting procedures	Not available.
Specific methods	None established.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	Wear appropriate personal protective equipment.
For emergency responders	Not available.

6.2. Environmental precautions	Do not let product enter drains. Do not flush into surface water or sanitary sewer system.
6.3. Methods and material for containment and cleaning up	Dike the spilled material, where this is possible. Absorb with inert absorbent such as dry clay, sand or diatomaceous earth, commercial sorbents, or recover using pumps.

6.4. Reference to other sections

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.

Not available.

Derived no-effect level (DNEL)

Components		Туре	Route	Value	Form
2-pyrrolidone (CAS 616-45-5)		Consumers	Dermal	6 mg/kg bw/d	Systemic long term
			Dermal	167 mg/kg bw/d	Systemic acute short term
			Inhalation	17.1 mg/m3	Systemic long term
			Oral	5.2 mg/kg bw/d	Systemic long term
			Oral	33.3 mg/kg bw/d	Systemic acute short term
		Workers	Dermal	277 mg/kg bw/d	Systemic acute short term
			Dermal	10 mg/kg bw/d	Systemic long term
			Inhalation	57.8 mg/m3	Systemic long term
magnesium nitrate hexahydrat 13446-18-9)	e (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
edicted no effect concentrati	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
magnesium nitrate hexahydrat 13446-18-9)	e (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
posure guidelines	Exposure limits have not been established for this product.				
2. Exposure controls					
propriate engineering ntrols	Use in a well	ventilated area.			
dividual protection measures	, such as pe	rsonal protective ec	luipment		
O					
General information	· ·	protective equipment	to minimize exp	osure to skin and e	ye.
General Information Eye/face protection	· ·	• • • •	to minimize exp	oosure to skin and e	/e.
	Use personal	• • • •	to minimize exp	oosure to skin and e	ye.

- Other	Not available.
Respiratory protection	Not available.
Thermal hazards	Not available.
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice.
Environmental exposure controls	Not available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties
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Appearance	
Physical state	Liquid.
Color	Magenta
Odor	Not available.
Odor threshold	Not available.
рН	8 - 8.4
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 e	xplosive limits
Flammability limit - lower (%)	Not available.
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 %)	< 156 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

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.

Be and the base of the state of the state of				
Respiratory sensitization	Based on avai	lable data, the classification criteria	are not met.	
Skin sensitization	Based on avai	lable data, the classification criteria	are not met.	
Germ cell mutagenicity	Based on avai	lable data, the classification criteria	are not met.	
Carcinogenicity	Based on avai	lable data, the classification criteria	are not met.	
Reproductive toxicity	Based on avai	lable data, the classification criteria	are not met.	
Specific target organ toxicity - single exposure	Based on avai	lable data, the classification criteria	are not 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	lable data, the classification criteria	are not met.	
Components	Species		Test Results	
2-pyrrolidone (CAS 616-45-5)	-			
Acute				
Oral				
LD50	Guinea pig		6500 mg/kg	
	Rat		6500 mg/kg	
Mixture versus substance information	Not available.			
Other information		city data are not available for this s on 2 for potential health effects and		
SECTION 12: Ecological	information			
-		and not been tested for appledical of	facto	
Aquatic toxicity	This product I	as not been tested for ecological ef	Tects.	
12.1. Toxicity				
Components		Species	Test Results	
2-pyrrolidone (CAS 616-45-5)				
Aquatic				
Crustacea	EC50	Water flea (Daphnia pulex)	13.21 mg/l, 48 hours	
12.2. Persistence and degradability	Not available.			
40.0.01				
12.3. Bioaccumulative potential	Not available.			
	Not available.	-0.85		
potential Partition coefficient n-octanol/water (log Kow)		-0.85		
potential Partition coefficient n-octanol/water (log Kow) 2-pyrrolidone Bioconcentration factor (BCF)		-0.85		
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.	-0.85 /PvB substance or mixture.		
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 assessment	Not available. Not available. Not a PBT or v			
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.			
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 assessment 12.6. Other adverse effects SECTION 13: Disposal co	Not available. Not available. Not a PBT or v Not available.	/PvB substance or mixture.		
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 assessment 12.6. Other adverse effects SECTION 13: Disposal co 13.1. Waste treatment method	Not available. Not available. Not a PBT or v Not available. Dnsideration ds	/PvB substance or mixture.		
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 assessment 12.6. Other adverse effects SECTION 13: Disposal co 13.1. Waste treatment method Residual waste	Not available. Not available. Not a PBT or v Not available. Dnsideration ds Not available.	/PvB substance or mixture.		
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 assessment 12.6. Other adverse effects SECTION 13: Disposal co 13.1. Waste treatment method Residual waste Contaminated packaging	Not available. Not available. Not a PBT or v Not available. Dnsideration ds Not available. Not available.	/PvB substance or mixture.		
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 assessment 12.6. Other adverse effects SECTION 13: Disposal co 13.1. Waste treatment method Residual waste	Not available. Not available. Not a PBT or v Not available. Dnsideration ds Not available. Not available. Not available.	/PvB substance or mixture.		

Do not dispose of together with general office waste.

to Local, State, Federal, and Provincial Environmental Regulations.

Disposal methods/information

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.

Do not allow this material to drain into sewers/water supplies. Dispose of waste material according

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	ormation			
References	Not available.			
Information on evaluation method leading to the classification of mixture	Not available.			
Issue date	07-Oct-2014			
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			

References	Not available.
Information on evaluation method leading to the classification of mixture	Not available.
Issue date	07-Oct-2014
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

AC	CGIH	American Conference of Governmental Industrial Hygienists		
CA	AS	Chemical Abstracts Service		
CE	ERCLA	Comprehensive Environmental Response Compensation and Liability Act		
CF	FR	Code of Federal Regulations		
CC	DC	Cleveland Open Cup		
D	ОТ	Department of Transportation		
EF	PCRA	Emergency Planning and Community Right-to-Know Act (aka SARA)		
IA	RC	International Agency for Research on Cancer		
N	IOSH	National Institute for Occupational Safety and Health		
N	ТР	National Toxicology Program		
09	SHA	Occupational Safety and Health Administration		
PE	EL	Permissible Exposure Limit		
R	CRA	Resource Conservation and Recovery Act		
RE	EC	Recommended		
RE	EL	Recommended Exposure Limit		
SA	ARA	Superfund Amendments and Reauthorization Act of 1986		
ST	FEL	Short-Term Exposure Limit		
тс	CLP	Toxicity Characteristics Leaching Procedure		
TL	_V	Threshold Limit Value		
TS	5CA	Toxic Substances Control Act		
VC	DC	Volatile Organic Compounds		
List of abb	previations	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 to inclusion into/onto article		
ERC8c-Widespread use leading to inclusion into/onto article (indoor) Additional information on product composition		
	s on the label, the classification of the mixture is provided.	
Most of the water based inks are		
The classification of the mixture is based on the individuel ingredients and their concentration within the mixture.		
All ingredients contributing to the classification are stated in Section 3 of the SDS.		
Relevant limit values of ingredients on which the exposure assessment is based, are listed in section 8 of the SDS.		
The product may contain sensitizing ingredients that may cause allergic reaction to certain people.		
Section 2 of the SDS states these		
I	WB01 English.pdf	



SAFETY DATA SHEET

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

1.1. Product identifier	
Trade name or designation of the mixture	CH562Series[Y][3]
Registration number	-
Synonyms	None.
Issue date	07-Oct-2014
Version number	04
Revision date	19-Jun-2016
Supersedes date	30-Aug-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:	2-pyrrolidone, 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

General information

Eye contactdevelops or persists.Do not rub eyes. Immediately flush with large amounts of clean, warm water (low pre-	neral information Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
2-pyrrolidone < 7.5	Water	65-85		-	-	
210-483-1 Classification: Eye Irrit. 2;H319 Yellow colorant < 7.5	Classification: -					
Yellow colorant < 7.5	2-pyrrolidone	< 7.5		01-2119475471-37-XXXX	-	
Classification: - magnesium nitrate hexahydrate < 2.5	Classification: Eye	Irrit. 2;H319				
magnesium nitrate hexahydrate < 2.5	Yellow colorant	< 7.5	Proprietary	-	-	
233-826-7 Classification: Eye Irrit. 2;H319 mposition comments This ink supply contains an aqueous ink formulation. CTION 4: First aid measures This ink supply contains an aqueous ink formulation. ceral information Not available. . Description of first aid measures Inhalation Remove to fresh air. If symptoms persist, get medical attention. Skin contact Wash affected areas thoroughly with mild soap and water. Get medical attention if irridevelops or persists. Eye contact Do not rub eyes. Immediately flush with large amounts of clean, warm water (low preleast 15 minutes or until particles are removed. If irritation persists get medical attent	Classification: -					
mposition comments This ink supply contains an aqueous ink formulation. CTION 4: First aid measures Information Not available. Not available. . Description of first aid measures Inhalation Remove to fresh air. If symptoms persist, get medical attention. Skin contact Wash affected areas thoroughly with mild soap and water. Get medical attention if irridevelops or persists. Eye contact Do not rub eyes. Immediately flush with large amounts of clean, warm water (low preleast 15 minutes or until particles are removed. If irritation persists get medical attent	magnesium nitrate hexahydra	te < 2.5		01-2119491164-38-XXXX	-	
CTION 4: First aid measures meral information Not available. . Description of first aid measures Inhalation Remove to fresh air. If symptoms persist, get medical attention. Skin contact Wash affected areas thoroughly with mild soap and water. Get medical attention if irridevelops or persists. Eye contact Do not rub eyes. Immediately flush with large amounts of clean, warm water (low preleast 15 minutes or until particles are removed. If irritation persists get medical attent	Classification: Eye	Irrit. 2;H319				
neral informationNot available Description of first aid measuresInhalationRemove to fresh air. If symptoms persist, get medical attention.Skin contactWash affected areas thoroughly with mild soap and water. Get medical attention if irridevelops or persists.Eye contactDo not rub eyes. Immediately flush with large amounts of clean, warm water (low precleast 15 minutes or until particles are removed. If irritation persists get medical attention	nposition comments	This ink supply co	ntains an aqueous i	ink formulation.		
. Description of first aid measures Inhalation Remove to fresh air. If symptoms persist, get medical attention. Skin contact Wash affected areas thoroughly with mild soap and water. Get medical attention if irridevelops or persists. Eye contact Do not rub eyes. Immediately flush with large amounts of clean, warm water (low preleast 15 minutes or until particles are removed. If irritation persists get medical attent	CTION 4: First aid mea	asures				
InhalationRemove to fresh air. If symptoms persist, get medical attention.Skin contactWash affected areas thoroughly with mild soap and water. Get medical attention if irridevelops or persists.Eye contactDo not rub eyes. Immediately flush with large amounts of clean, warm water (low preleast 15 minutes or until particles are removed. If irritation persists get medical attention	neral information	Not available.				
Skin contactWash affected areas thoroughly with mild soap and water. Get medical attention if irridevelops or persists.Eye contactDo not rub eyes. Immediately flush with large amounts of clean, warm water (low preleast 15 minutes or until particles are removed. If irritation persists get medical attention	. Description of first aid me	asures				
Eye contactDo not rub eyes. Immediately flush with large amounts of clean, warm water (low pre least 15 minutes or until particles are removed. If irritation persists get medical attent	Inhalation					
least 15 minutes or until particles are removed. If irritation persists get medical attent	Skin contact	Wash affected areas thoroughly with mild soap and water. Get medical attention if irritation develops or persists.				
Ingestion If ingestion of a large amount does occur, seek medical attention.	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 large amount does occur, seek 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, pro	tective equipment and emergency procedures		
For non-emergency personnel	Wear appropriate personal protective equipment.		
For emergency responders	Not available.		
6.2. Environmental precautions	Do not let product enter drains. Do not flush into surface water or sanitary sewer system.		
6.3. Methods and material for containment and cleaning up	Dike the spilled material, where this is possible. Absorb with inert absorbent such as dry clay, sand or diatomaceous earth, commercial sorbents, or recover using pumps.		
6.4. Reference to other sections	Not available.		
SECTION 7: Handling and	d storage		
7.1. Precautions for safe handling	Avoid contact with skin, eyes and clothing.		

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

incompatibilities7.3. 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)

7.2. Conditions for safe

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 terr
		Inhalation	17.1 mg/m3	Systemic long term
		Oral	5.2 mg/kg bw/d	Systemic long term
		Oral	33.3 mg/kg bw/d	Systemic acute short terr
	Workers	Dermal	277 mg/kg bw/d	Systemic acute short terr
		Dermal	10 mg/kg bw/d	Systemic long term
		Inhalation	57.8 mg/m3	Systemic long term
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
dicted no effect concentrations (PNE	Cs)			
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	
			0 4005 //	Freshwater
		Sediment	0.4205 mg/kg	i i Conwatci
		Sediment Soil	0.4205 mg/kg 0.0612 mg/kg	
			0, 0	
magnesium nitrate hexahydrate (CAS 13446-18-9)	Not applicable	Soil	0.0612 mg/kg	
- , ,	Not applicable	Soil STP	0.0612 mg/kg 10 mg/l	
- , ,	Not applicable	Soil STP Freshwater	0.0612 mg/kg 10 mg/l 0.45 mg/l	Sewage Treatment Plant

Exposure guidelines

Exposure limits have not been established for this product.

Appropriate engineering controls	Use in a well ventilated area.
Individual protection measure	es, such as personal protective equipment
General information	Use personal protective equipment to minimize exposure to skin and eye.
Eye/face protection	Not available.
Skin protection	
- Hand protection	Not available.
- Other	Not available.
Respiratory protection	Not available.
Thermal hazards	Not available.
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice.
Environmental exposure controls	Not available.

SECTION 9: Physical and chemical properties

•	• •
9.1. Information on basic physical and chemical properties	
Appearance	
Physical state	Liquid.
Color	Yellow
Odor	Not available.
Odor threshold	Not available.
рН	8 - 8.4
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 available.
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 %)	< 155 g/L

SECTION 10: Stability and reactivity

10.1. Reactivity	Not available.
10.2. Chemical stability	Stable under recommended storage conditions.
10.3. Possibility of hazardous reactions	Will not occur.
10.4. Conditions to avoid	Not available.
10.5. Incompatible materials	Incompatible with strong bases and oxidizing agents.
10.6. Hazardous decomposition products	Upon decomposition, this product may yield gaseous nitrogen oxides, carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

SECTION 11: Toxicological information

General information Not available.

11.1. Information on toxicological effects

Skin corrosion/irritation Based on available data, the classification criteria are not met. Serious sey damage/eye 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. Gern 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. - single exposure Based on available data, the classification criteria are not met. - single exposure Based on available data, the classification criteria are not met. - single exposure Based on available data, the classification criteria are not met. - repeated exposure Based on available data, the classification criteria are not met. Components Species Test Results 2-pyrrolidone (CAS 616-45-5) Acute Acute Ora/ Curson Guinea pig 6500 mg/kg Rater to Section 2 for potential health effects and Secton 4 for first aid measures. Section 2 for potential health effects and Secton 4 for first aid measures. SECTION 12: Ecological information Complete toxicity data are not available for this specific formulation	11.1. Information on toxicolog	gical effects		
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. Gern cell mutagenicity Based on available data, the classification criteria are not met. Reproductive toxicity Based on available data, the classification criteria are not met. Specific target organ toxicity Based on available data, the classification criteria are not met. Specific target organ toxicity Based on available data, the classification criteria are not met. Specific target organ toxicity Based on available data, the classification criteria are not met. Components Species Test Results 2-pyrrolidone (CAS 616-45-5) Acute Acute Acute Qra/ Guinea pig 6500 mg/kg LD50 Guinea pig 6500 mg/kg Ref Species Test Results Structure versus substance Complete toxicity data are not available for this specific formulation Refer to Section 2 for potential health effects and Section 4 for first ad measures. SECTION 12: Ecological ir/ormation Complete toxicity data are not available for this specific formulation Refer to Section 2 for potential health effects and Section 4 for first ad measures. 2:pyrrolidone (CAS 616-45-5) Aquatic	Acute toxicity	Based on avai	lable data, the classification criteria	a are not met.
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13.1. Waste treatment methodsResidual wasteNot available.Contaminated packagingNot available.EU waste codeNot available.

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.

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 agents at work	e protection of the health and safety of workers from the risks related to chemical
Not regulated. Directive 94/33/EC on th	e protection of young people at work
Not regulated.	
Other regulations	All chemical substances in this HP product have been notified or are exempt from notification under chemical substances notification laws in the following countries: US (TSCA), EU (EINECS/ELINCS), Switzerland, Canada (DSL/NDSL), Australia, Japan, Philippines, South Korea, New Zealand, and China.
Other information	This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006.
	Specific Provisions: Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC (in the amended version OJ L 396 from 29.05.2007 page 3 with further rectifications and amendments).
National regulations	Not available.
15.2. Chemical safety assessment	See attached SUMI or GEIS document, if applicable.

SECTION 16: Other information

References	Not available.
Information on evaluation method leading to the classification of mixture	Not available.
Issue date	07-Oct-2014
Revision information	None.
Training information	Not available.
Disclaimer	This Safety Data Sheet document is provided without charge to customers of HP. Data is the most current known to HP at the time of preparation of this document and is believed to be accurate. It should not be construed as guaranteeing specific properties of the products as described or suitability for a particular application. This document was prepared to the requirements of the jurisdiction specified in Section 1 above and may not meet regulatory requirements in other countries.
Manufacturer information	HP Inc. 1501 Page Mill Road Palo Alto, CA 94304-1112 US Direct 1-650-857-5020

Explanation of abbreviations

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

Safe Use of Mixture Information (SUMI)

Water Based Ink: WB01 *English*

Disclaimer

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

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

Operational conditions	s), where applicable, completes an extended product 3D3.
	Up to 9 hours por day
Maximum duration	Up to 8 hours per day
Frequency of exposure	< 240 days per year
Process conditions	Covers use at ambient temperatures. Adequate ventilation should be provide for the areas where printing is performed. ANSI/ASHRAE Standard 62.1-2013 provides guidelines to ensure acceptable air quality in the workspace. Avoid direct contact. Regular cleaning of equipment and work area. Supervision in place to check that Risk Management Measures are in place are being correctly used and Operational Conditions
	followed.
Risk management measures	
Conditions and measures	Wear safety glasses with side shields (or goggles), if splashing is possible.
related to Personal Protection	Wear appropriate chemical resistent gloves: see section 8 of the SDS.
Equipment, hygiene and	Wear appropriate chemical resistent clothing.
health evaluation	In case of inadequate ventilation wear respiratory protection.
	Eye wash fountain and emergency showers are recommended.
	Avoid breathing mist/vapours.
	Avoid contact with skin, eyes and clothing.
	Training of workers in relation to proper use and maintenance of all Personal protection equipment (PPE) must be ensured.
Good practice advice	
Use personal protective equipme	ent as required.
Wash hands before breaks and a	after work.
Keep good industrial hygiene and	d safety practice.
Use only with adequate ventilation	
Do no eat, drink or smoke when	
Wash contaminated clothing bef	
Store at room temperature.	
Environmental measures	
Do not allow this material to dra	in into cowors/water supplies
	ding to Local, State, Federal and Provincial Environmental Regulations.
-	vith appropriately licenced waste contractor.
· · ·	th appropriately incenced waste contractor.
Use descriptors	
IS-Use at industrial sites	
PW-Widespread use by profession	
SU7-Printing and reproduction m	
PC18-Inks and Toners	
	refinery in closed process without likelihood of exposure or processes with equivalent containment conditions. refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions
r NOC2-Chemical production of r	ennery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions
PROC3- Manufacture or formula condition	tion in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment
	r mixture (charging and discharging) at non-dedicated facilities
	or mixture (charging and discharging) at dedicated facilities
ERC5-Use at industrial site leadir	
	to inclusion into/onto article (indoor)
Additional information on prod	
	s on the label, the classification of the mixture is provided.
Most of the water based inks are	
	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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