# CH562Series[C][3]-SDS\_US-English-23.pdf

CH562Series[M][3]-SDS\_US-English-23.pdf

CH562Series[Y][3]-SDS\_US-English-23.pdf



# **SAFETY DATA SHEET**

# 1. Identification

Product identifier	CH562Series[C][3]
Other means of identification	Not available.
Recommended use	Inkjet printing
<b>Recommended restrictions</b>	None known.
Company identification	HP 1501 Page Mill Road Palo Alto, CA 94304-1112 United States Telephone 650-857-5020 HP health effects line (Toll-free within the US) 1-800-457-4209 (Direct) 1-760-710-0048 HP Customer Care Line (Toll-free within the US) 1-800-474-6836 (Direct) 1-208-323-2551 Email: hpcustomer.inquiries@hp.com

## 2. Hazard(s) identification

Physical hazards	Not classified.
Health hazards	Not classified.
Environmental hazards	Not classified.
OSHA defined hazards	Not classified.
Label elements	
Hazard symbol	None.
Signal word	None.
Hazard statement	Not available.
Precautionary statement	
Prevention	Not available.
Response	Not available.
Storage	Not available.
Disposal	Not available.
Hazard(s) not otherwise classified (HNOC)	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.
Supplemental information	This product is not classified as hazardous according to OSHA CFR 1910.1200 (HazCom 2012).

## Supplemental information

## 3. Composition/information on ingredients

Mixtures
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Chemical name	Common name and synonyms	CAS number	%
Water		7732-18-5	70-95
Copper phthalocyanine direc salt	t dye	Proprietary	< 5
magnesium nitrate hexahyd	rate	13446-18-9	< 2.5
<b>Composition comments</b> This ink supply contains an aqueous ink formulation. This product has been evaluated using criteria specified in 29 CFR 1910.1200 (Haza		200 (Hazard	

Communication Standard).

4. First-aid measures	
Inhalation	Remove to fresh air. If symptoms persist, get medical attention.
Skin contact	Wash affected areas thoroughly with mild soap and water. Get medical attention if irritation develops or persists.
Eye contact	Do not rub eyes. Immediately flush with large amounts of clean, warm water (low pressure) for at least 15 minutes or until particles are removed. If irritation persists get medical attention.
Ingestion	If ingestion of a large amount does occur, seek medical attention.
Most important symptoms/effects, acute and delayed	Not available.

# 5. Fire-fighting measures

Suitable extinguishing media Unsuitable extinguishing media	Dry chemical, CO2, water spray or regular foam. None known.
Specific hazards arising from the chemical	Not applicable.
Special protective equipment and precautions for firefighters	Not available.
Specific methods	None established.

## 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Wear appropriate personal protective equipment.
Methods and materials 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.
Environmental precautions	Do not let product enter drains. Do not flush into surface water or sanitary sewer system.

## 7. Handling and storage

Precautions for safe handling	Avoid contact with skin, eyes and clothing.
Conditions for safe storage, including any incompatibilities	Keep out of the reach of children. Keep away from excessive heat or cold.

## 8. Exposure controls/personal protection

Occupational exposure limits	No exposure limits noted for ingredient(s).	
<b>Biological limit values</b>	No biological exposure limits noted for the ingredient(s).	
Exposure guidelines	Exposure limits have not been established for this product.	
Appropriate engineering controls	Use in a well ventilated area.	
Individual protection measures, such as personal protective equipment		
Eye/face protection	Not available.	
Skin protection		
Hand protection	Not available.	
Other	Not available.	
<b>Respiratory protection</b>	Not available.	
Thermal hazards	Not available.	
General hygiene considerations	Handle in accordance with good industrial hygiene and safety practice.	

# 9. Physical and chemical properties

#### Appearance

Physical state	Liquid
Color	Cyan

Odor	Not available.
Odor threshold	Not available.
pH	8 - 8.4
Melting point/freezing point	Not available.
Initial boiling point and	Not determined
boiling range	
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.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not determined
Solubility(ies)	
Solubility (water)	Soluble in water
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	<= 2 cp
Other information	For other VOC regulatory data/information see Section 15.
VOC (Weight %)	< 156 g/L

# 10. Stability and reactivity

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

# **11.** Toxicological information

Symptoms related to the physical, chemical and toxicological characteristics	Not available.
Information on toxicological e	ffects
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 or skin sensitization	on la
<b>Respiratory sensitization</b>	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.
Further 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.

#### **12. Ecological information**

Aquatic toxicity	This product has not been tested for ecological effects.
Persistence and degradability	Not available.
<b>Bioaccumulative potential</b>	Not available.
Mobility in soil	Not available.
Other adverse effects	Not available.
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#### **13.** Disposal considerations

 Disposal instructions
 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.

## 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.

#### 15. Regulatory information

US TSCA 12(b): Does not contain listed chemicals.

#### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated. CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

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Not regulated.
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OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

#### Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories	Immediate Hazard - No
	Delayed Hazard - No
	Fire Hazard - No
	Pressure Hazard - No
	Reactivity Hazard - No

#### SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312	No
Hazardous chemical	
Other federal regulations	
Safe Drinking Water Act (SDWA)	Not regulated.
US state regulations	
US. Massachusetts RTK - S	Substance List
Not regulated.	
	nd Community Right-to-Know Act
Not listed.	
-	and Community Right-to-Know Law
Not listed. US. Rhode Island RTK	
Not regulated.	
US. California Proposition Not Listed.	65
Other information	$\sqrt{00}$ contant (loss water loss arounds) = < 574 g/L (115 requirement not for
Other mormation	VOC content (less water, less exempt compounds) = $< 574$ g/L (U.S. requirement, not for emissions)
	VOC data based on formulation (Organic compounds minus solids)
Regulatory information	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.
16. Other information, ir	ncluding date of preparation or last revision
Issue date	07-Oct-2014
Revision date	30-Aug-2015
Version #	03
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 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



# SAFETY DATA SHEET

# 1. Identification

Product identifier	CH562Series[M][3]
Other means of identification	Not available.
Recommended use	Inkjet printing
<b>Recommended restrictions</b>	None known.
Company identification	HP 1501 Page Mill Road Palo Alto, CA 94304-1112 United States Telephone 650-857-5020 HP health effects line (Toll-free within the US) 1-800-457-4209 (Direct) 1-760-710-0048 HP Customer Care Line (Toll-free within the US) 1-800-474-6836 (Direct) 1-208-323-2551 Email: hpcustomer.inquiries@hp.com

# 2. Hazard(s) identification

Physical hazards	Not classified.
Health hazards	Not classified.
Environmental hazards	Not classified.
OSHA defined hazards	Not classified.
Label elements	
Hazard symbol	None.
Signal word	None.
Hazard statement	Not available.
Precautionary statement	
Prevention	Not available.
Response	Not available.
Storage	Not available.
Disposal	Not available.
Hazard(s) not otherwise classified (HNOC)	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.
Supplemental information	This product is not classified as hazardous according to OSHA CFR 1910.1200 (HazCom 2012).

## 3. Composition/information on ingredients

Mixtures			
Chemical name	Common name and synonyms	CAS number	%
Water		7732-18-5	65-85
2-pyrrolidone		616-45-5	< 7.5
Polycyclic sulfonic acid, TMA salt		Proprietary	< 7.5
magnesium nitrate hexahydrate		13446-18-9	< 2.5

Composition comments	This ink supply contains an aqueous ink formulation. This product has been evaluated using criteria specified in 29 CFR 1910.1200 (Hazard Communication Standard).
4. First-aid measures	

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

## 5. Fire-fighting measures

Suitable extinguishing media	Dry chemical, CO2, water spray or regular foam.
Unsuitable extinguishing media	None known.
Specific hazards arising from the chemical	Not applicable.
Special protective equipment and precautions for firefighters	Not available.
Specific methods	None established.
6 Accidental release me	2611596

### 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Wear appropriate personal protective equipment.
Methods and materials 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.
Environmental precautions	Do not let product enter drains. Do not flush into surface water or sanitary sewer system.

## 7. Handling and storage

Precautions for safe handling	Avoid contact with skin, eyes and clothing.
Conditions for safe storage, including any incompatibilities	Keep out of the reach of children. Keep away from excessive heat or cold.

# 8. Exposure controls/personal protection

Occupational exposure limits	No exposure limits noted for ingredient(s).	
<b>Biological limit values</b>	No biological exposure limits noted for the ingredient(s).	
Exposure guidelines	Exposure limits have not been established for this product.	
Appropriate engineering controls	Use in a well ventilated area.	
Individual protection measures	s, such as personal protective equipment	
Eye/face protection	Not available.	
Skin protection		
Hand protection	Not available.	
Other	Not available.	
<b>Respiratory protection</b>	Not available.	
Thermal hazards	Not available.	
General hygiene considerations	Handle in accordance with good industrial hygiene and safety practice.	

# 9. Physical and chemical properties

### 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.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not determined
Solubility(ies)	
Solubility (water)	Soluble in water
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	<= 2 cp
Other information	For other VOC regulatory data/information see Section 15.
VOC (Weight %)	< 156 g/L

# **10. Stability and reactivity**

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

# **11.** Toxicological information

Symptoms related to the physical, chemical and toxicological characteristics	Not available.	
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 or skin sensitization

Respiratory sensitization	Based on available data, the classification criteria are not met.
Skin sensitization	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       Based on available data, the classification criteria are not met.         - indice exposure       Based on available data, the classification criteria are not met.         Specific target organ toxicity       Based on available data, the classification criteria are not met.         - repeated exposure       Based on available data, the classification criteria are not met.         Aspiration hazard       Based on available data, the classification criteria are not met.         Further 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.         Components       Species       Test Results         2-pyrrolidone (CAS 616-45-5)       Kate       6500 mg/kg         Acute       Oral       Eotooicity         Components       Species       Test Results         2-pyrrolidone (CAS 616-45-5)       Acute       Species         Components       Species       Test Results         2-pyrolidone (CAS 616-45-5)       Aquatic       Crustacea       EC50         Corustacea       EC50       Water flea (Daphnia pulex)       13.21 mg/l, 48 hours				
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.         - ingle exposure       Based on available data, the classification criteria are not met.         - repeated exposure       Based on available data, the classification criteria are not met.         - repeated exposure       Based on available data, the classification criteria are not met.         - repeated exposure       Complete toxicity data are not available for this specific formulation Refer to Section 4 for first aid measures.         Components       Species       Test Results         2-pyrrolidone (CAS 616-45-5)       Actie       Good         Acute       Consolution       Rat       6500 mg/kg         2-pyrrolidone (CAS 616-45-5)       Aquatic       Consolution       Consolution         2-pyrrolidone (CAS 616-45-5)       Aquatic       Consolution       Consolution         2-pyrrolidone (CAS 616-45-5)       Aquatic       Consolution       Not available.         Bioaccumulative potential       Not available.       Not available.       Not available.         Portition coefficient - octarol / water (log Kow)       2.21 mg/l, 48 hours       Portition coefficient - octarol / water (log Kow)         2-pyrrolidone       Not available.       Do not alispose of	Germ cell mutagenicity			
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.         Specific target organ toxicity repeated 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.         Components       Species       Test Results         2-pyrrolidone (CAS 616-45-5) Acute Card LD50       Guinea pig Rat       6500 mg/kg         Acute Card LD50       Guinea pig Rat       6500 mg/kg         2-pyrrolidone (CAS 616-45-5) Aquatic Crustacea       Species       Test Results         2-pyrrolidone (CAS 616-45-5) Aquatic Crustacea       Not available.       Do not allow the fies (Daphnia pulex)       13.21 mg/l, 48 hours         Persistence and degradability Boaccumulative potential       Not available.       Do not allow this material to drain into severs/water supplies. Dispose of waste material acco to Local, State, Federal, and Provincial Environmental Regulations.       HP's Planet Partners (trademark) supplies recycling program enables simple, convenient recycl HP original inkiget and Laser)et supplies. For more information and to determine if this servic available in your location, please visit http://www.hp.com/recycle.         14. Transport information Dor       Not regulated as dangerous goods.         MIMO		Based on available data, the classification criteria are not met.		
<ul> <li>- single exposure</li> <li>- single exposure</li> <li>- Specific target organ toxicity</li> <li>- Based on available data, the classification criteria are not met.</li> <li>- repeated exposure</li> <li>Aspiration hazard</li> <li>Based on available data, the classification criteria are not met.</li> <li>- Complete toxicity data are not available for this specific formulation</li> <li>- Refer to Section 2 for potential health effects and Section 4 for first aid measures.</li> <li>- Components</li> <li>- Species</li> <li>- Test Results</li> <li>- Complete toxicity</li> <li>- Rat</li> <li>- Good mg/kg</li> <li>- Costo</li> <li>- Costo</li></ul>	•		•	
<ul> <li>i-peated exposine</li> <li>Aspiration hazard</li> <li>Based on available data, the classification criteria are not met:</li> <li>Components</li> <li>Components</li> <li>Species</li> <li>Test Results</li> <li>Components</li> <li>Species</li> <li>Test Results</li> <li>Components</li> <li>Guinea pig</li> <li>G500 mg/kg</li> <li>Based on available for this specific formulation</li> <li>Ret 6500 mg/kg</li> <li>Ecological information</li> <li>Aquatic</li> <li>Components</li> <li>Species</li> <li>Test Results</li> <li>Components</li></ul>		Based on av	ailable data, the classification criteria	are not met.
Further 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.           Components         Species         Test Results           2-pyrrolidone (CAS 616-45-5)         Acute Oral LD50         Guinea pig         6500 mg/kg           Acute Oral LD50         Guinea pig         6500 mg/kg           Aquatic toxicity         This product has not been tested for ecological effects.           Components         Species         Test Results           2-pyrrolidone (CAS 616-45-5)         Aquatic Crustacea         EC50         Water flea (Daphnia pulex)         13.21 mg/l, 48 hours           Persistence and degradability         Not available.         Purrolidone         On a valiable.           Partition coefficient n-octanol / water flog Kow) 2-pyrrolidone         On ot available.         On ot dispose of together with general office waste.           Disposal instructions         Do not dispose of together with general office waste.         Do not dispose of together with general office waste.           Disposal instructions         Do not dispose of together with general office waste.         Or more information and to determine if this service available in your location, please visit http://www.hp.com/recycle.           14. Transport information wore regulated as dangerous goods.         More Not regulated as dangerous goods.         Not a dangerous goods.		Based on av	ailable data, the classification criteria	are not met.
Refer to Section 2 for potential health effects and Section 4 for first aid measures. Components Species Components Species Components Species Test Results Components Species Test Results Components Component Componen	Aspiration hazard	Based on av	ailable data, the classification criteria	are not met.
2-pyrrolidone (CAS 616-45-5) Acute Orad LDS0 Guinea pig 6500 mg/kg 12. Ecological information Aquatic toxicity This product has not been tested for ecological effects. Ecotoxicity Components Species Test Results 2-pyrrolidone (CAS 616-45-5) Aquatic Crustacea EC50 Water flea (Daphnia pulex) 13.21 mg/l, 48 hours Persistence and degradability Not available. Bioaccumulative potential Not available. Bioaccumulative potential Not available. Bioaccumulative potential Not available. Bioaccumulative potential Not available. Disposal considerations Disposal instructions Do not dispose of together with general office waste. Do not dispose of together with general office waste. Do not dispose of together with general office waste. Do not dispose of together with general office waste. Disposal instructions Do not dispose of together with general office waste. Do not dispose of together with general office waste. Do not dispose of together with general office waste. Disposal instructions Do not dispose of together with general office waste. HP's Planet Partners (trademark) supplies recycling program enables simple, convenient recyc HP original inkjet and Laser-let supplies. For more information and to determine if this servic available in your location, please visit http://www.hp.com/recycle. 14. Transport information Dot Not regulated as dangerous goods. IMDG Not regulated as dangerous goods. IMDG Not regulated as dangerous goods. Further information Not a dangerous good under DOT, IATA, ADR, IMDG, or RID. 15. Regulatory information	Further information			
Acute       Oral         LDS0       Guinea pig       6500 mg/kg         12. Ecological information       Aquatic toxicity       This product has not been tested for ecological effects.         Ecotoxicity       Components       Species       Test Results         2-pyrrolidone (CAS 616-45-5)       Aquatic       Crustacea       EC50       Water flea (Daphnia pulex)       13.21 mg/l, 48 hours         Persistence and degradability       Not available.       Other adverse       0.85         Partition coefficient n-octanol / water (log Kow)       2-pyrrolidone       -0.85         Mobility in soil       Not available.       Other adverse         Other adverse effects       Not available.       Other adverse         Disposal instructions       Do not dispose of together with general office waste.       Do not allow this material to drain into sewers/water supplies. Dispose of waste material acco to Local, State, Federal, and Provincial Environmental Regulations.         HP's Planet Partners (trademark) supplies recycling program enables simple, convenient recyct HP original inkjet and LaserJet supplies. For more information and to determine if this servic available in your location, please visit http://www.hp.com/recycle.         14. Transport information       Dor       Not regulated as dangerous goods.         IMDG       Not regulated as dangerous goods.       ADR         Not regulated as dangerous goods. <th>Components</th> <th>Species</th> <th></th> <th>Test Results</th>	Components	Species		Test Results
Ora/ LDS0       Guinea pig Rat       6500 mg/kg         At       6500 mg/kg         12. Ecological information       Fast and the second secon	2-pyrrolidone (CAS 616-45-5)			
LD50 Guinea pig 6500 mg/kg Rat 6500 mg/kg 12. Ecological information Aquatic toxicity This product has not been tested for ecological effects. Ecotoxicity Species Test Results 2-pyrrolidone (CAS 616-45-5) Aquatic Crustacea EC50 Water flea (Daphnia pulex) 13.21 mg/l, 48 hours Persistence and degradability Not available. Bioaccumulative potential Not available. Bioaccumulative potential Not available. Deprrolidone -0.85 Mobility in soil Not available. 13. Disposal considerations Disposal instructions Do not dispose of together with general office waste. Do not allow this material to drain into sewers/water supplies. Dispose of waste material acco to Local, State, Federal, and Provincial Environmental Regulations. HP's Planet Partners (trademark) supplies recycling program enables simple, convenient recycl HP original inkjet and LaserJet supplies. For more information and to determine if this service available in your location, please visit http://www.hp.com/recycle. 14. Transport information DOT Not regulated as dangerous goods. IMD6 Not regulated as dangerous goods. IMD6 Not regulated as dangerous goods. IMD6 Not regulated as dangerous goods. IMD6 Not regulated as dangerous goods. IMD7 Not regulated as dangerous goods. IMD6 Not regulated as dangerous goods. IMD6 Not adangerous good under DOT, IATA, ADR, IMDG, or RID.	Acute			
Rat       6500 mg/kg         12. Ecological information       Aquatic toxicity         Aquatic toxicity       This product has not been tested for ecological effects.         Ecotoxicity       Components         Species       Test Results         2-pyrrolidone (CAS 616-45-5)       Aquatic         Crustacea       EC50       Water flea (Daphnia pulex)       13.21 mg/l, 48 hours         Persistence and degradability       Not available.       Bioaccumulative potential       Not available.         Partition coefficient n-octanol / water (log Kow)       2-pyrrolidone       -0.85         Abbility in soil       Not available.       -0.85         Disposal considerations       Do not dispose of together with general office waste. Do not allow this material to drain into sewers/water supplies. Dispose of waste material accor to Local, State, Federal, and Provincial Environmental Regulations.       HP's Planet Partners (trademark) supplies recycling program enables simple, convenient recycle HP's planet Partners (trademark) supplies. For more information and to determine if this servic available in your location, please visit http://www.hp.com/recycle.         14. Transport information       Not regulated as dangerous goods.         IMDG       Not regulated as dangerous goods.         IMDG       Not a dangerous good under DOT, IATA, ADR, IMDG, or RID.         15. Regulatory information       Not a dangerous good under DOT, IATA, ADR, IMDG,	Oral			
12. Ecological information         Aquatic toxicity       This product has not been tested for ecological effects.         Ecotoxicity       Components       Species       Test Results         2-pyrrolidone (CAS 616-45-5)       Aquatic       Crustacea       ECS0       Water flea (Daphnia pulex)       13.21 mg/l, 48 hours         Persistence and degradability       Not available.       Bioaccumulative potential       Not available.         Partition coefficient n-octanol / water (log Kow)       2-pyrrolidone       -0.85         2-pyrolidone       -0.85       Mobility in soil       Not available.         Other adverse effects       Not available.       -0.85         Disposal considerations       Do not dispose of together with general office waste. Do not allow this material to drain into sewers/water supplies. Dispose of waste material acco to Local, State, Federal, and Provincial Environmental Regulations.         HP's Planet Partners (trademark) supplies recycling program enables simple, convenient recycling Program enables simple, convenient recycling vialable in your location, please visit http://www.hp.com/recycle.         14. Transport information       Or regulated as dangerous goods.         DOG       Not regulated as dangerous goods.         MDG       Not regulated as dangerous goods.         MDF       Not adangerous good under DOT, IATA, ADR, IMDG, or RID.         15. Regulatory information       <	LD50	Guinea pig	]	6500 mg/kg
Aquatic toxicity       This product has not been tested for ecological effects.         Ecotoxicity       Species       Test Results         2-pyrrolidone (CAS 616-45-5)       Aquatic Crustacea       EC50       Water flea (Daphnia pulex)       13.21 mg/l, 48 hours         Persistence and degradability       Not available.       Not available.         Bioaccumulative potential       Not available.       -0.85         Partition coefficient n-octanol / water (log Kow) 2-pyrolidone       -0.85         Other adverse effects       Not available.         Disposal considerations       Do not dispose of together with general office waste. Do not allow this material to drain into severs/water supplies. Dispose of waste material acco to Local, State, Federal, and Provincial Environmental Regulations.         HP's Planet Partners (trademark) supplies recycling program enables simple, convenient recyc HP original inkjet and LaserJet supplies. For more information and to determine if this servic available in your location, please visit http://www.hp.com/recycle.         IATA Not regulated as dangerous goods.       IMDG Not regulated as dangerous goods.         IMDG Not regulated as dangerous goods.       Kater and Repruse good under DOT, IATA, ADR, IMDG, or RID.         IS. Regulatory information       Not a dangerous good under DOT, IATA, ADR, IMDG, or RID.		Rat		6500 mg/kg
Ecotoxicity       Species       Test Results         2-pyrrolidone (CAS 616-45-5)       Aquatic         Crustacea       EC50       Water flea (Daphnia pulex)       13.21 mg/l, 48 hours         Persistence and degradability       Not available.       Bioaccumulative potential       Not available.         Bioaccumulative potential       Not available.       -0.85       Mobility in soil       Not available.         Partition coefficient n-octanol / water (log Kow)       -0.85       -0.85       Mobility in soil       Not available.         Other adverse effects       Not available.       -0.85       -0.85       Do not dispose of together with general office waste.       Do not allout this material to drain into sewers/water supplies. Dispose of waste material acco to Local, State, Federal, and Provincial Environmental Regulations.         HP's Planet Partners (trademark) supplies recycling program enables simple, convenient recyc HP original inkjet and LaserJet supplies. For more information and to determine if this servic available in your location, please visit http://www.hp.com/recycle.         14. Transport information       Dot         DoT       Not regulated as dangerous goods.         IMDG       Not regulated as dangerous goods.         IMDG       Not regulated as dangerous goods.         IMDG       Not a dangerous good under DOT, IATA, ADR, IMDG, or RID.         15. Regulatory information       Not	12. Ecological information	on		
Components         Species         Test Results           2-pyrrolidone (CAS 616-45-5) Aquatic Crustacea         EC50         Water flea (Daphnia pulex)         13.21 mg/l, 48 hours           Persistence and degradability Bioaccumulative potential         Not available.         13.21 mg/l, 48 hours           Partition coefficient n-otarrol / water (log Kow) 2-pyrrolidone         -0.85         14.000000000000000000000000000000000000	Aquatic toxicity	This product	has not been tested for ecological e	ffects.
2-pyrrolidone (CAS 616-45-5) Aquatic Crustacea EC50 Water flea (Daphnia pulex) 13.21 mg/l, 48 hours Persistence and degradability Not available. Bioaccumulative potential Not available. Partition coefficient n-octanol / water (log Kow) 2-pyrrolidone -0.85 Mobility in soil Not available. Other adverse effects Not available. 13. Disposal considerations Disposal instructions Do not dispose of together with general office waste. Do not allow this material to drain into sewers/water supplies. Dispose of waste material acco to Local, State, Federal, and Provincial Environmental Regulations. HP's Planet Partners (trademark) supplies recycling program enables simple, convenient recyc HP original inkjet and LaserJet supplies. For more information and to determine if this servic available in your location, please visit http://www.hp.com/recycle. 14. Transport information DOT 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. 15. Regulatory information	Ecotoxicity			
Aquatic Crustacea       EC50       Water flea (Daphnia pulex)       13.21 mg/l, 48 hours         Persistence and degradability Bioaccumulative potential       Not available.       Not available.         Partition coefficient n-octanol / water (log Kow) 2-pyrrolidone       -0.85         Mobility in soil       Not available.         Other adverse effects       Not available.         13. Disposal considerations       Do not dispose of together with general office waste. Do not allow this material to drain into sewers/water supplies. Dispose of waste material acco to Local, State, Federal, and Provincial Environmental Regulations.         HP's Planet Partners (trademark) supplies recycling program enables simple, convenient recyc HP original inkjet and Laser) supplies. For more information and to determine if this servic available in your location, please visit http://www.hp.com/recycle.         14. Transport information       Dor         DoT Not regulated as dangerous goods.       IMOE Not regulated as dangerous goods.         ADR Not regulated as dangerous goods.       ADR Not regulated as dangerous goods.         Further information       Not a dangerous good under DOT, IATA, ADR, IMDG, or RID.         15. Regulatory information       Not a dangerous good under DOT, IATA, ADR, IMDG, or RID.	Components		Species	Test Results
Custacea       ECS0       Water flea (Daphnia pulex)       13.21 mg/l, 48 hours         Persistence and degradability       Not available.       Not available.         Bioaccumulative potential       Not available.       -0.85         Partition coefficient n-octanol / water (log Kow) 2-pyrrolidone       -0.85         A-pyrrolidone       -0.85         Mobility in soil       Not available.         Other adverse effects       Not available.         J3.Disposal considerations       Do not dispose of together with general office waste. Do not allow this material to drain into sewers/water supplies. Dispose of waste material accor to Local, State, Federal, and Provincial Environmental Regulations.         HP's Planet Partners (trademark) supplies recycling program enables simple, convenient recycl HP original inkjet and LaserJet supplies. For more information and to determine if this service available in your location, please visit http://www.hp.com/recycle.         14. Transport information DOT Not regulated as dangerous goods.       Not regulated as dangerous goods.         IMDG Not regulated as dangerous goods.       ADR Not regulated as dangerous goods.         ADR Not regulated as dangerous goods.       Not a dangerous good under DOT, IATA, ADR, IMDG, or RID.         15. Regulatory information       Not a dangerous good under DOT, IATA, ADR, IMDG, or RID.	2-pyrrolidone (CAS 616-45-5)	1		
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Bioaccumulative potential       Not available.         Partition coefficient n-octanol / water (log Kow) 2-pyrrolidone       -0.85         Mobility in soil       Not available.         Other adverse effects       Not available.         13. Disposal considerations       Do not dispose of together with general office waste. Do not allow this material to drain into sewers/water supplies. Dispose of waste material acco to Local, State, Federal, and Provincial Environmental Regulations.         HP's Planet Partners (trademark) supplies recycling program enables simple, convenient recyc HP original inkjet and LaserJet supplies. For more information and to determine if this servic available in your location, please visit http://www.hp.com/recycle.         14. Transport information DOT Not regulated as dangerous goods.         IMDG Not regulated as dangerous goods.         ADR Not regulated as dangerous goods.         Further information         Not regulated as dangerous goods.         Further information         Not regulated as dangerous goods.         ADR Not regulated as dangerous goods.         Further information         Not a dangerous good under DOT, IATA, ADR, IMDG, or RID.         15. Regulatory information	Crustacea	EC50	Water flea (Daphnia pulex)	13.21 mg/l, 48 hours
Partition coefficient n-octanol / water (log Kow)       -0.85         2-pyrrolidone       -0.85         Mobility in soil       Not available.         Other adverse effects       Not available.         13. Disposal considerations       Do not dispose of together with general office waste. Do not allow this material to drain into sewers/water supplies. Dispose of waste material acco to Local, State, Federal, and Provincial Environmental Regulations.         HP's Planet Partners (trademark) supplies recycling program enables simple, convenient recyc HP original inkjet and LaserJet supplies. For more information and to determine if this service available in your location, please visit http://www.hp.com/recycle.         14. Transport information DOT Not regulated as dangerous goods.       Not regulated as dangerous goods.         IMDG Not regulated as dangerous goods.       Not regulated as dangerous goods.         Further information       Not a dangerous good under DOT, IATA, ADR, IMDG, or RID.         15. Regulatory information       Not a dangerous good under DOT, IATA, ADR, IMDG, or RID.	Persistence and degradability	Not available	2.	
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Mobility in soil       Not available.         Other adverse effects       Not available.         13. Disposal considerations       Do not dispose of together with general office waste. Do not allow this material to drain into sewers/water supplies. Dispose of waste material accor to Local, State, Federal, and Provincial Environmental Regulations.         Disposal instructions       Do not allow this material to drain into sewers/water supplies. Dispose of waste material accor to Local, State, Federal, and Provincial Environmental Regulations.         HP's Planet Partners (trademark) supplies recycling program enables simple, convenient recyc HP original inkjet and LaserJet supplies. For more information and to determine if this service available in your location, please visit http://www.hp.com/recycle.         14. Transport information DOT Not regulated as dangerous goods.       Not regulated as dangerous goods.         IMDG Not regulated as dangerous goods.       Not regulated as dangerous goods.         ADR Not regulated as dangerous goods.       Not a dangerous good under DOT, IATA, ADR, IMDG, or RID.         15. Regulatory information       Not a dangerous good under DOT, IATA, ADR, IMDG, or RID.		anol / water		
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Further information       Not a dangerous good under DOT, IATA, ADR, IMDG, or RID.         15. Regulatory information	ADR			
			rous good under DOT, IATA, ADR, IN	1DG, or RID.
	15 Regulatory informat	ion		
			(b): Does not contain listed chemical	S.
	/eaclar regulations	00 100A IZ		

TSCA Section 12(b) Expor	t Notification (40 CFR 707, Subpt. D)
Not regulated.	
CERCLA Hazardous Subst	ance List (40 CFR 302.4)
Not listed.	
SARA 304 Emergency rele	ase notification
	ted Substances (29 CFR 1910.1001-1050)
Not listed.	
-	Reauthorization Act of 1986 (SARA) Immediate Hazard - No
Hazard categories	Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No
SARA 302 Extremely haza Not listed.	Irdous substance
SARA 311/312 Hazardous chemical	Νο
Other federal regulations Safe Drinking Water Act (SDWA)	Not regulated.
US state regulations	
US. Massachusetts RTK - S	
-	45-5) nd Community Right-to-Know Act
	and Community Right-to-Know Law
2-pyrrolidone (CAS 616-4 US. Rhode Island RTK	<del>1</del> 5-5)
Not regulated.	
US. California Proposition Not Listed.	65
Other information	VOC content (less water, less exempt compounds) = < 533 g/L (U.S. requirement, not for emissions) VOC data based on formulation (Organic compounds minus solids)
Regulatory information	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.
16. Other information, in	ncluding date of preparation or last revision
Issue date	07-Oct-2014
Revision date	30-Aug-2015
Version #	03
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 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



# SAFETY DATA SHEET

# 1. Identification

Product identifier	CH562Series[Y][3]
Other means of identification	Not available.
Recommended use	Inkjet printing
<b>Recommended restrictions</b>	None known.
Company identification	HP 1501 Page Mill Road Palo Alto, CA 94304-1112 United States Telephone 650-857-5020 HP health effects line (Toll-free within the US) 1-800-457-4209 (Direct) 1-760-710-0048 HP Customer Care Line (Toll-free within the US) 1-800-474-6836 (Direct) 1-208-323-2551 Email: hpcustomer.inquiries@hp.com

## 2. Hazard(s) identification

Physical hazards	Not classified.
Health hazards	Not classified.
Environmental hazards	Not classified.
OSHA defined hazards	Not classified.
Label elements	
Hazard symbol	None.
Signal word	None.
Hazard statement	Not available.
Precautionary statement	
Prevention	Not available.
Response	Not available.
Storage	Not available.
Disposal	Not available.
Hazard(s) not otherwise classified (HNOC)	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.
Supplemental information	This product is not classified as hazardous according to OSHA CFR 1910.1200 (HazCom 2012).

## 3. Composition/information on ingredients

Mixtures			
Chemical name	Common name and synonyms	CAS number	%
Water		7732-18-5	65-85
2-pyrrolidone		616-45-5	< 7.5
Yellow colorant		Proprietary	< 7.5
magnesium nitrate hexahydrate		13446-18-9	< 2.5

Composition comments	This ink supply contains an aqueous ink formulation. This product has been evaluated using criteria specified in 29 CFR 1910.1200 (Hazard Communication Standard).
4. First-aid measures	

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

## 5. Fire-fighting measures

Suitable extinguishing media	Dry chemical, CO2, water spray or regular foam.
Unsuitable extinguishing media	None known.
Specific hazards arising from the chemical	Not applicable.
Special protective equipment and precautions for firefighters	Not available.
Specific methods	None established.
6. Accidental release measures	

### 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Wear appropriate personal protective equipment.
Methods and materials 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.
Environmental precautions	Do not let product enter drains. Do not flush into surface water or sanitary sewer system.

## 7. Handling and storage

Precautions for safe handling	Avoid contact with skin, eyes and clothing.
Conditions for safe storage, including any incompatibilities	Keep out of the reach of children. Keep away from excessive heat or cold.

## 8. Exposure controls/personal protection

Occupational exposure limits	No exposure limits noted for ingredient(s).	
Biological limit values	No biological exposure limits noted for the ingredient(s).	
Exposure guidelines	Exposure limits have not been established for this product.	
Appropriate engineering controls	Use in a well ventilated area.	
Individual protection measures	s, such as personal protective equipment	
Eye/face protection	Not available.	
Skin protection		
Hand protection	Not available.	
Other	Not available.	
<b>Respiratory protection</b>	Not available.	
Thermal hazards	Not available.	
General hygiene considerations	Handle in accordance with good industrial hygiene and safety practice.	

# 9. 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 e	-
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not determined
Solubility(ies)	
Solubility (water)	Soluble in water
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	<= 2 cp
Other information	For other VOC regulatory data/information see Section 15.
VOC (Weight %)	< 155 g/L

# 10. Stability and reactivity

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

## **11.** Toxicological information

Symptoms related to the<br/>physical, chemical and<br/>toxicological characteristicsNot available.Information on toxicological effectsAcute toxicityBased on available data, the classification criteria are not met.Skin corrosion/irritationBased on available data, the classification criteria are not met.Serious eye damage/eye<br/>irritationBased on available data, the classification criteria are not met.

#### Respiratory or skin sensitization

Respiratory sensitization	Based on available data, the classification criteria are not met.
Skin sensitization	Based on available data, the classification criteria are not met.

Corm coll mutagonicity	Pacad on av	silable data, the classification criteria	are not mot
Germ cell mutagenicity Carcinogenicity		ailable data, the classification criteria ailable data, the classification criteria	
Reproductive toxicity		ailable data, the classification criteria	
Specific target organ toxicity		ailable data, the classification criteria	
- single exposure	Daseu on ava	diable uata, the classification criteria	are not met.
Specific target organ toxicity - repeated exposure	Based on ava	ailable data, the classification criteria	are not met.
Aspiration hazard	Based on ava	ailable data, the classification criteria	are not met.
Further information		kicity data are not available for this s ion 2 for potential health effects and	
Components	Species		Test Results
2-pyrrolidone (CAS 616-45-5)			
Acute			
Oral			
LD50	Guinea pig		6500 mg/kg
	Rat		6500 mg/kg
12. Ecological information	on		
Aquatic toxicity	This product	has not been tested for ecological ef	ffects.
Ecotoxicity			
Components		Species	Test Results
2-pyrrolidone (CAS 616-45-5)			
Aquatic			
Crustacea	EC50	Water flea (Daphnia pulex)	13.21 mg/l, 48 hours
Persistence and degradability	Not available		
Bioaccumulative potential	Not available		
Partition coefficient n-octa 2-pyrrolidone	anol / water (	(log Kow) -0.85	
Mobility in soil	Not available		
Other adverse effects	Not available	<b>.</b>	
13. Disposal consideration	ons		
Disposal instructions	Do not dispo Do not allow	se of together with general office wa this material to drain into sewers/wa aste material according to Local, Sta	
	HP's Planet Partners (trademark) supplies recycling program enables simple, convenient recycling 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.		
14. Transport information	n		
DOT			
Not regulated as dangerous g	oods.		
Not regulated as dangerous g	oods.		
IMDG Not regulated as dangerous g			
ADR			
Not regulated as dangerous goods Further information		ous good under DOT, IATA, ADR, IM	

US TSCA 12(b): Does not contain listed chemicals.

	rt Notification (40 CFR 707, Subpt. D)		
Not regulated.			
CERCLA Hazardous Subst	ance List (40 CFR 302.4)		
Not listed.	and notification		
SARA 304 Emergency rele			
Not regulated. OSHA Specifically Regulat Not listed.	ted Substances (29 CFR 1910.1001-1050)		
Superfund Amendments and I	Reauthorization Act of 1986 (SARA)		
Hazard categories	Immediate Hazard - No Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No		
SARA 302 Extremely haza	ardous substance		
Not listed.			
SARA 311/312 Hazardous chemical	Νο		
Other federal regulations			
Safe Drinking Water Act (SDWA)	Not regulated.		
US state regulations			
US. Massachusetts RTK -	Substance List		
2-pyrrolidone (CAS 616-	45-5)		
US. New Jersey Worker a	nd Community Right-to-Know Act		
Not listed.			
=	and Community Right-to-Know Law		
2-pyrrolidone (CAS 616-4 US. Rhode Island RTK	<del>1</del> 5-5)		
Not regulated.			
US. California Proposition	65		
Not Listed.			
Other information	VOC content (less water, less exempt compounds) = $< 527$ g/L (U.S. requirement, not for emissions)		
Deculatory information	VOC data based on formulation (Organic compounds minus solids)		
Regulatory information	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.		
16. Other information, in	ncluding date of preparation or last revision		
Issue date	07-Oct-2014		
Revision date	30-Aug-2015		
Version #	03		
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

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#### Explanation of abbreviations

ACGIH	American Conference of Governmental Industrial Hygienists
CAS	Chemical Abstracts Service
CERCLA	Comprehensive Environmental Response Compensation and Liability Act
CFR	Code of Federal Regulations
COC	Cleveland Open Cup
DOT	Department of Transportation
EPCRA	Emergency Planning and Community Right-to-Know Act (aka SARA)
IARC	International Agency for Research on Cancer
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
RCRA	Resource Conservation and Recovery Act
REC	Recommended
REL	Recommended Exposure Limit
SARA	Superfund Amendments and Reauthorization Act of 1986
STEL	Short-Term Exposure Limit
TCLP	Toxicity Characteristics Leaching Procedure
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
VOC	Volatile Organic Compounds