1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Identification of the substance/preparation: C6658Series[M][3]
Issue date: 13-Jun-2015
Revision date: 26-Aug-2015
Version #: 02
Recommended use: Inkjet printing
CAS #: Mixture
Company identification: HP Inc (Thailand) Ltd.
968 U Chu Liang Building, 3rd Floor, Rama IV Rd., Silom, Bangrak, BKK 10500
Bangkok, Bangkok, Thailand 10500
Telephone: 66 2353 0888
Main Fax: 66 2353 9555
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. HAZARDS IDENTIFICATION

GHS classification:
- Physical hazards: Not Classified
- Health hazards: Not Classified
- Environmental hazards: Not Classified

2.3 Other hazards which do not result in GHS classification: Not Classified

GHS label elements:
- Signal word: None.
- Hazard symbols: None.
- Hazard statement: None.

Precautionary statement:
- Prevention: None.
- Response: None.
- Storage: None.
- Disposal: None.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS #</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>75-85</td>
</tr>
<tr>
<td>Ethyl alkyldiol</td>
<td>Proprietary</td>
<td>&lt; 15</td>
</tr>
<tr>
<td>2-pyrrolidone</td>
<td>616-45-5</td>
<td>&lt; 7.5</td>
</tr>
<tr>
<td>Alkyldiol ethoxylate</td>
<td>Proprietary</td>
<td>&lt; 2.5</td>
</tr>
<tr>
<td>Magenta Dye 2</td>
<td>Proprietary</td>
<td>&lt; 1</td>
</tr>
</tbody>
</table>

Composition comments: This ink supply contains an aqueous ink formulation.

4. FIRST AID MEASURES

Inhalation: Move to fresh air. If symptoms persist, get medical attention.
Skin contact
Wash affected areas thoroughly with mild soap and water. If irritation persists get medical attention.

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.

5. FIRE-FIGHTING MEASURES
Flash point
200.0 °F (93.3 °C) Pensky-Martens Closed Cup

Suitable extinguishing media
CO2, water, dry chemical, or foam

Extinguishing media which must not be used for safety reasons
None known.

Unusual fire & explosion hazards
None known.

Specific methods
None established.

Hazardous combustion products
Refer to section 10.

6. ACCIDENTAL RELEASE MEASURES
Personal precautions
Wear appropriate personal protective equipment.

Environmental precautions
Do not let product enter drains. Do not flush into surface water or sanitary sewer system.

Methods for cleaning up
Soak up with inert absorbent material.

7. HANDLING AND STORAGE
Handling
Avoid contact with skin, eyes and clothing.

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

8. EXPOSURE CONTROLS/PERSONAL PROTECTION
Biological limit values
No biological exposure limits noted for the ingredient(s).

Recommended monitoring procedures
Additional exposure data
Exposure limits have not been established for this product.

Engineering measures to reduce exposure
Use in a well ventilated area.

Personal protective equipment
Skin and body protection
Not available.

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

Hygiene measures
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.

pH
7.7 - 8.3

Vapor pressure
Not determined

Boiling point
Not determined

Melting point/Freezing point
Not available.

Solubility (water)
Soluble in water

Flash point
200.0 °F (93.3 °C) Pensky-Martens Closed Cup

Flammability limits in air, upper, % by volume
Not available.

Flammability limits in air, lower, % by volume
Not determined

Auto-ignition temperature
Not available.

VOC
< 90 g/l

Evaporation rate
Not determined
10. STABILITY AND REACTIVITY

Conditions to avoid
Not available.

Hazardous decomposition products
Upon decomposition, this product may yield gaseous nitrogen oxides, carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

Stability
Stable under recommended storage conditions.

Materials to avoid
Incompatible with strong bases and oxidizing agents.

Hazardous polymerization
Will not occur.

11. TOXICOLOGICAL INFORMATION

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

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

Carcinogenicity
Based on available data, the classification criteria are not met.

Germ cell mutagenicity
Based on available data, the classification criteria are not met.

Toxic to reproduction

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.

Toxicological data
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

Ecotoxicological data
Product | Species | Test Results
--- | --- | ---
C6658Series[M][3] (CAS Mixture) | Fathead minnow (Pimephales promelas) | < 400 mg/l, 96 hours
Aquatic | Acid | 
Fish | LC50 |  | 
Components | Species | Test Results
--- | --- | ---
2-pyrrolidone (CAS 616-45-5) |  | 
Aquatic |  | 
Crustacea | EC50 | Water flea (Daphnia pulex) | 13.21 mg/l, 48 hours
Ethyl alkylidiol (CAS Proprietary) |  | 
Aquatic |  | 
Crustacea | EC50 | Daphnia | 102, 48 Hours
Fish | LC50 | Fish | 1000, 96 Hours
Algae | IC50 | Algae | 101, 72 Hours
Crustacea | EC50 | Daphnia | 101, 48 Hours
Fish | LC50 | Fish | 77, 96 Hours
Environmental effects
Not available.
Bioaccumulation

Bioaccumulative potential

Octanol/water partition coefficient log Kow

2-pyrrolidone -0.85

Aquatic toxicity

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

13. DISPOSAL CONSIDERATIONS

Disposal instructions

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

Federal regulations

Thailand. Notification of the Ministry of Interior, Re: Work Safety Relating to Dangerous Chemicals
Not regulated.

Not regulated.

Thailand. Reportable Hazardous Substances (Notification of Ministry of Industry Re: Bases respecting report of quantity of hazardous materials under Department of Industrial Works, B.E. 2547)
Not regulated.

International 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.

Montreal Protocol
Not applicable.

Stockholm Convention
Not applicable.

Rotterdam Convention
Not applicable.

Kyoto protocol
Not applicable.

Basel Convention
Not applicable.

16. OTHER INFORMATION

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.

Prepared by
HP

Issue date
13-Jun-2015

Revision date
26-Aug-2015
This data sheet contains changes from the previous version in section(s):

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
1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Identification of the substance/preparation: C6658Series[B][3]

Issue date: 12-Jun-2015

Revision date: 26-Aug-2015

Version #: 02

Recommended use: Inkjet printing

CAS #: Mixture

Company identification: HP Inc (Thailand) Ltd.

968 U Chu Liang Building, 3rd Floor, Rama IV Rd., Silom, Bangrak, BKK 10500
Bangkok, Bangkok, Thailand 10500

Telephone: 66 2353 0888
Main Fax: 66 2353 9555

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(Direct) 1-208-323-2551
Email: hpcustomer.inquiries@hp.com

2. HAZARDS IDENTIFICATION

GHS classification

Physical hazards: Not Classified

Health hazards: Not Classified

Environmental hazards: Not Classified

2.3 Other hazards which do not result in GHS classification: Not Classified

GHS label elements

Signal word: None.

Hazard symbols: None.

Hazard statement: None.

Precautionary statement

Prevention: None.

Response: None.

Storage: None.

Disposal: None.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS #</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>70-80</td>
</tr>
<tr>
<td>Ethyl alkylidol</td>
<td>Proprietary</td>
<td>&lt; 15</td>
</tr>
<tr>
<td>2-pyrrolidone</td>
<td>616-45-5</td>
<td>&lt; 7.5</td>
</tr>
<tr>
<td>Black dye 1</td>
<td>Proprietary</td>
<td>&lt; 5</td>
</tr>
</tbody>
</table>

Composition comments: This ink supply contains an aqueous ink formulation.

4. FIRST AID MEASURES

Inhalation: Move to fresh air. If symptoms persist, get medical attention.

Skin contact: Wash affected areas thoroughly with mild soap and water. If irritation persists get medical attention.
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.

5. FIRE-FIGHTING MEASURES
Flash point
200.0 °F (93.3 °C) Pensky-Martens Closed Cup
Suitable extinguishing media
CO2, water, dry chemical, or foam
Extinguishing media which must not be used for safety reasons
None known.
Unusual fire & explosion hazards
None known.
Specific methods
None established.
Hazardous combustion products
Refer to section 10.

6. ACCIDENTAL RELEASE MEASURES
Personal precautions
Wear appropriate personal protective equipment.
Environmental precautions
Do not let product enter drains. Do not flush into surface water or sanitary sewer system.
Methods for cleaning up
Soak up with inert absorbent material.

7. HANDLING AND STORAGE
Handling
Avoid contact with skin, eyes and clothing.
Storage
Keep out of the reach of children. Keep away from excessive heat or cold.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION
Biological limit values
No biological exposure limits noted for the ingredient(s).
Recommended monitoring procedures
Additional exposure data
Exposure limits have not been established for this product.
Engineering measures to reduce exposure
Use in a well ventilated area.
Personal protective equipment
Skin and body protection
Not available.
General
Use personal protective equipment to minimize exposure to skin and eye.
Hygiene measures
Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES
Appearance
  Physical state
  Liquid.
  Color
  Black.
  Odor
  Not available.
  Odor threshold
  Not available.
  pH
  8.4
  Vapor pressure
  Not determined
  Boiling point
  Not determined
  Melting point/Freezing point
  Not available.
Solubility (water)
Soluble in water
Flash point
200.0 °F (93.3 °C) Pensky-Martens Closed Cup
Flammability limits in air, upper, % by volume
Not available.
Flammability limits in air, lower, % by volume
Not determined
Auto-ignition temperature
Not available.
VOC
91 g/l
Evaporation rate
Not determined
Viscosity
>= 2 cp
Other data
Oxidizing properties
Not determined
10. STABILITY AND REACTIVITY

Conditions to avoid
Not available.

Hazardous decomposition products
Upon decomposition, this product may yield gaseous nitrogen oxides, carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

Stability
Stable under recommended storage conditions.

Materials to avoid
Incompatible with strong bases and oxidizing agents.

Hazardous polymerization
Will not occur.

11. TOXICOLOGICAL INFORMATION

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

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

Carcinogenicity
Based on available data, the classification criteria are not met.

Germ cell mutagenicity
Based on available data, the classification criteria are not met.

Toxic to reproduction
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.

Toxicological data
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

Ecotoxicological data
Product | Species | Test Results
--- | --- | ---
C6658Series[B][3] (CAS Mixture) |  |  
Aquatic |  |  
Acute |  |  
Fish | LC50 | Fathead minnow (Pimephales promelas) | < 400 mg/l, 96 hours

Components

2-pyrrolidone (CAS 616-45-5) |  |  
Aquatic |  |  
Crustacea | EC50 | Water flea (Daphnia pulex) | 13.21 mg/l, 48 hours

Ethyl alkyldiol (CAS Proprietary)

Aquatic |  |  
Crustacea | EC50 | Daphnia | 102, 48 Hours
  | Fish | LC50 | Fish | 1000, 96 Hours

Environmental effects
Not available.

Bioaccumulation

Bioaccumulative potential
Octanol/water partition coefficient log Kow
2-pyrrolidone | -0.85 |  

Material name: C6658Series[B][3]  
SDS THAILAND  
9334 Version #: 02 Revision date: 26-Aug-2015 Issue date: 12-Jun-2015
Aquatic toxicity  Static acute toxicity (trout), survival (100 mg/L) = 100%  
Static acute toxicity (trout), survival (10 mg/L) = 100%

13. DISPOSAL CONSIDERATIONS
Disposal instructions  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
Federal regulations  

International 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.

Montreal Protocol  Not applicable.
Stockholm Convention  Not applicable.
Rotterdam Convention  Not applicable.
Kyoto protocol  Not applicable.
Basel Convention  Not applicable.

16. OTHER INFORMATION
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.

Prepared by  HP
Issue date  12-Jun-2015
Revision date  26-Aug-2015
Version #  02
This data sheet contains changes from the previous version in section(s):  OTHER INFORMATION: Disclaimer
Manufacturer information

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

Explanation of abbreviations

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

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Identification of the substance/preparation: C6658Series[C][3]
Issue date: 13-Jun-2015
Revision date: 26-Aug-2015
Version #: 02
Recommended use: Inkjet printing
CAS #: Mixture
Company identification: HP Inc (Thailand) Ltd.
968 U Chu Liang Building, 3rd Floor, Rama IV Rd., Silom, Bangrak, BKK 10500
Bangkok, Bangkok, Thailand 10500
Telephone: 66 2353 0888
Main Fax: 66 2353 9555

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HP Customer Care Line
(Toll-free within the US) 1-800-474-6836
(Direct) 1-208-323-2551
Email: hpcustomer.inquiries@hp.com

2. HAZARDS IDENTIFICATION

GHS classification
Physical hazards: Not Classified
Health hazards: Not Classified
Environmental hazards: Not Classified
GHS label elements
Signal word: None.
Hazard symbols: None.
Hazard statement: None.
Precautionary statement
Prevention: None.
Response: None.
Storage: None.
Disposal: None.
2.3 Other hazards which do not result in GHS classification: Not Classified

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS #</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>75-85</td>
</tr>
<tr>
<td>Ethyl alkylidol</td>
<td>Proprietary</td>
<td>&lt; 15</td>
</tr>
<tr>
<td>2-pyrollidone</td>
<td>616-45-5</td>
<td>&lt; 7.5</td>
</tr>
<tr>
<td>Alkyldiol ethoxylate</td>
<td>Proprietary</td>
<td>&lt; 2.5</td>
</tr>
<tr>
<td>Cyan colorant</td>
<td>Proprietary</td>
<td>&lt; 2.5</td>
</tr>
</tbody>
</table>

Composition comments: This ink supply contains an aqueous ink formulation.

4. FIRST AID MEASURES

Inhalation: Move to fresh air. If symptoms persist, get medical attention.
5. FIRE-FIGHTING MEASURES

- **Flash point**: 200.0 °F (93.3 °C) Pensky-Martens Closed Cup
- **Suitable extinguishing media**: CO2, water, dry chemical, or foam
- **Extinguishing media which must not be used for safety reasons**: None known.
- **Unusual fire & explosion hazards**: None known.
- **Specific methods**: None established.
- **Hazardous combustion products**: Refer to section 10.

6. ACCIDENTAL RELEASE MEASURES

- **Personal precautions**: Wear appropriate personal protective equipment.
- **Environmental precautions**: Do not let product enter drains. Do not flush into surface water or sanitary sewer system.
- **Methods for cleaning up**: Soak up with inert absorbent material.

7. HANDLING AND STORAGE

- **Handling**: Avoid contact with skin, eyes and clothing.
- **Storage**: Keep out of the reach of children. Keep away from excessive heat or cold.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- **Biological limit values**: No biological exposure limits noted for the ingredient(s).
- **Recommended monitoring procedures**
  - **Additional exposure data**: Exposure limits have not been established for this product.
- **Engineering measures to reduce exposure**: Use in a well ventilated area.
- **Personal protective equipment**
  - **Skin and body protection**: Not available.
  - **General**: Use personal protective equipment to minimize exposure to skin and eye.
- **Hygiene measures**: Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

- **Appearance**
  - **Physical state**: Liquid.
  - **Color**: Light Cyan
  - **Odor**: Not available.
  - **Odor threshold**: Not available.
  - **pH**: 7.8 - 8.3
  - **Vapor pressure**: Not determined
  - **Boiling point**: Not determined
  - **Melting point/Freezing point**: Not available.
  - **Solubility (water)**: Soluble in water
  - **Flash point**: 200.0 °F (93.3 °C) Pensky-Martens Closed Cup
  - **Flammability limits in air, upper, % by volume**: Not available.
  - **Flammability limits in air, lower, % by volume**: Not determined
  - **Auto-ignition temperature**: Not available.
  - **VOC**: < 90 g/l
  - **Evaporation rate**: Not determined
**10. STABILITY AND REACTIVITY**

**Conditions to avoid**: Not available.

**Hazardous decomposition products**: Upon decomposition, this product may yield gaseous nitrogen oxides, carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

**Stability**: Stable under recommended storage conditions.

**Materials to avoid**: Incompatible with strong bases and oxidizing agents.

**Hazardous polymerization**: Will not occur.

**11. TOXICOLOGICAL INFORMATION**

**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**

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

**Carcinogenicity**: Based on available data, the classification criteria are not met.

**Germ cell mutagenicity**: Based on available data, the classification criteria are not met.

**Toxic to reproduction**: 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.
- **- 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.

**Toxicological data**

<table>
<thead>
<tr>
<th>Components</th>
<th>Species Description</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-pyrrolidone (CAS 616-45-5)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acute</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oral</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Guinea pig</td>
<td>6500 mg/kg</td>
</tr>
<tr>
<td></td>
<td>Rat</td>
<td>6500 mg/kg</td>
</tr>
</tbody>
</table>

**12. ECOLOGICAL INFORMATION**

**Ecotoxicological data**

<table>
<thead>
<tr>
<th>Product Description</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>C6658Series[C][3] (CAS Mixture)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aquatic</td>
<td>Algae</td>
<td>&gt; 100 mg/l, 72 hours</td>
</tr>
<tr>
<td></td>
<td>NOEC</td>
<td>100 mg/l, 72 hr</td>
</tr>
<tr>
<td></td>
<td>Crustacea</td>
<td>&gt; 100 mg/l, 48 hr</td>
</tr>
<tr>
<td></td>
<td>NOEC</td>
<td>100 mg/l, 48 hr</td>
</tr>
<tr>
<td>Acute</td>
<td>Algae</td>
<td>&gt; 100 mg/l, 72 hours</td>
</tr>
<tr>
<td></td>
<td>Crustacea</td>
<td>&gt; 100 mg/l, 48 hours</td>
</tr>
<tr>
<td></td>
<td>Fish</td>
<td>&lt; 400 mg/l, 96 hours</td>
</tr>
</tbody>
</table>

**Components**

<table>
<thead>
<tr>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-pyrrolidone (CAS 616-45-5)</td>
<td></td>
</tr>
<tr>
<td>Aquatic</td>
<td></td>
</tr>
<tr>
<td>Crustacea</td>
<td>13.21 mg/l, 48 hours</td>
</tr>
</tbody>
</table>
### Components Test Results

<table>
<thead>
<tr>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cyan colorant (CAS Proprietary)</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Aquatic</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Crustacea</strong></td>
<td>EC50 Daphnia</td>
</tr>
<tr>
<td></td>
<td>50 - 100 mg/l, 48 Hours</td>
</tr>
<tr>
<td></td>
<td>102, 48 Hours</td>
</tr>
<tr>
<td><strong>Fish</strong></td>
<td>LC50 Fish</td>
</tr>
<tr>
<td></td>
<td>1000, 96 Hours</td>
</tr>
</tbody>
</table>

#### Ecotoxicity

Information given is based on data on the components and the ecotoxicology of similar products.

#### Environmental effects

Not available.

#### Bioaccumulation

**Bioaccumulative potential**

Octanol/water partition coefficient log Kow

- 2-pyrrolidone: -0.85

**Aquatic toxicity**

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

### 13. DISPOSAL CONSIDERATIONS

**Disposal instructions**

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

**Federal regulations**

- **Thailand. Notification of the Ministry of Interior, Re: Work Safety Relating to Dangerous Chemicals**
  - Not regulated.
  - Not regulated.
- **Thailand. Reportable Hazardous Substances (Notification of Ministry of Industry Re: Bases respecting report of quantity of hazardous materials under Department of Industrial Works, B.E. 2547)**
  - Not regulated.

**International 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.

- **Montreal Protocol**
  - Not applicable.
- **Stockholm Convention**
  - Not applicable.
- **Rotterdam Convention**
  - Not applicable.
- **Kyoto protocol**
  - Not applicable.
16. OTHER INFORMATION

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.

Prepared by

HP

Issue date

13-Jun-2015

Revision date

26-Aug-2015

Version #

02

This data sheet contains changes from the previous version in section(s):

1. Product and Company Identification: Alternate Trade Names

OTHER INFORMATION: Disclaimer

Manufacturer information

HP

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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