

C4892Series[CL][2]-SDS\_VIETNAM-English-41.pdf

C4892Series[M][2]-SDS\_VIETNAM-English-40.pdf



# SAFETY DATA SHEET

## 1. Identification

|   |   |
|---|---|
| <b>Important information</b>                                  | *** This Safety Data Sheet is only authorised for use by HP for HP Original products. Any unauthorised use of this Safety Data Sheet is strictly prohibited and may result in legal action being taken by HP. *** |
| <b>Product identifier</b>                                     | C4892Series[CL][2]  |
| <b>Other means of identification</b>                          | None.   |
| <b>Recommended use</b>  | Inkjet printing   |
| <b>Recommended restrictions</b>                               | None known.   |
| <b>Manufacturer/Importer/Supplier/Distributor information</b> |   |
|   | Hewlett-Packard Vietnam Ltd.<br>Suite 1002, 29 Le Duan, Saigon Tower, 10th floor<br>District 1, Ho Chi Minh city, Ho Chi Minh (Sai Gon),<br>Viet Nam  |
| <b>Telephone</b>  | +84437245550  |
| <b>HP Inc. health effect line</b>                             |   |
| (Toll-free within US)   | 1-800-457-4209  |
| (Direct)  | 1-760-710-0048  |
| <b>HP Inc. Customer Care Line</b>                             |   |
| (Toll-free within the US)                                     | 1-800-474-6836  |
| (Direct)  | 1-208-323-2551  |
| <b>Email:</b>   | hpcustomer.inquiries@hp.com   |

## 2. Hazard(s) identification

|  |   |
|--|---|
| <b>Physical hazards</b>                                    | Not classified.   |
| <b>Health hazards</b>                                      | Not classified.   |
| <b>Environmental hazards</b>                               | Not classified.   |
| <b>Label elements</b>                                      |   |
| <b>Hazard symbol</b>                                       | None.   |
| <b>Signal word</b>   | None.   |
| <b>Hazard statement</b>                                    | Not available.  |
| <b>Precautionary statement</b>                             |   |
| <b>Prevention</b>  | Not available.  |
| <b>Response</b>  | Not available.  |
| <b>Storage</b>   | Not available.  |
| <b>Disposal</b>  | Not available.  |
| <b>Other hazards which do not result in classification</b> | Potential routes of exposure to this product are skin and eye contact, ingestion, and inhalation.<br><br>None of the components present in this formulation at concentrations equal to or greater than 0.1% are listed by EU, MAK, IARC, NTP or OSHA.<br><br>Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash). Vapors irritating to eyes and respiratory tract. Inhalation of mists/vapors of this product may cause dizziness, nausea, and respiratory tract congestion. |
| <b>GHS Supplemental information</b>                        | None.   |

## 3. Composition/information on ingredients

### Mixtures

| <b>Non-hazardous components</b> |                                 |                   |          |
|---------------------------------|---------------------------------|-------------------|----------|
| <b>Chemical name</b>            | <b>Common name and synonyms</b> | <b>CAS number</b> | <b>%</b> |
| Polyethylene glycol             |                                 | 25322-68-3        | 100      |

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#### 4. First-aid measures

|   |   |
|---|---|
| <b>Inhalation</b>   | Move to fresh air. If symptoms persist, get medical attention.  |
| <b>Skin contact</b>                                       | Wash affected areas thoroughly with mild soap and water. If irritation persists get medical attention.  |
| <b>Eye contact</b>  | 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. |
| <b>Ingestion</b>  | If ingestion of a large amount does occur, seek medical attention.  |
| <b>Most important symptoms/effects, acute and delayed</b> | Not available.  |

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#### 5. Fire-fighting measures

|  |   |
|--|---|
| <b>Suitable extinguishing media</b>                                  | CO2, water, dry chemical, or foam.  |
| <b>Unsuitable extinguishing media</b>                                | None known.   |
| <b>Specific hazards arising from the chemical</b>                    | None known.   |
| <b>Special protective equipment and precautions for firefighters</b> | Not available.  |
| <b>Specific methods</b>  | Do not direct a solid stream of water or foam into hot, burning pools; this may result in frothing and increase fire intensity. |

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#### 6. Accidental release measures

|  |   |
|--|---|
| <b>Personal precautions, protective equipment and emergency procedures</b> | Wear appropriate personal protective equipment.   |
| <b>Methods and materials for containment and cleaning up</b>               | 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. |
| <b>Environmental precautions</b>   | Do not let product enter drains. Do not flush into surface water or sanitary sewer system.  |

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#### 7. Handling and storage

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

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#### 8. Exposure controls/personal protection

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

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#### 9. Physical and chemical properties

|                                     |                |
|-------------------------------------|----------------|
| <b>Appearance</b>                   |                |
| <b>Physical state</b>               | Not available. |
| <b>Form</b>                         | Not available. |
| <b>Color</b>                        | clear          |
| <b>Odor</b>                         | Not available. |
| <b>Odor threshold</b>               | Not available. |
| <b>pH</b>                           | Not Applicable |
| <b>Melting point/freezing point</b> | Not available. |

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|   |                                |
|---|--------------------------------|
| <b>Initial boiling point and boiling range</b>      | > 392 °F (> 200 °C)            |
| <b>Flash point</b>                                  | > 424.4 °F (> 218.0 °C)        |
| <b>Evaporation rate</b>                             | Not determined                 |
| <b>Flammability (solid, gas)</b>                    | Not available.                 |
| <b>Upper/lower flammability or explosive limits</b> |                                |
| <b>Flammability limit - lower (%)</b>               | Not determined                 |
| <b>Flammability limit - upper (%)</b>               | Not available.                 |
| <b>Explosive limit - lower (%)</b>                  | Not available.                 |
| <b>Explosive limit - upper (%)</b>                  | Not available.                 |
| <b>Vapor pressure</b>                               | < 0.01 mm Hg 20 degrees C      |
| <b>Vapor density</b>                                | (Air = 1.0)<br>> 1 (Air = 1.0) |
| <b>Solubility(ies)</b>                              |                                |
| <b>Solubility (water)</b>                           | Soluble in water               |
| <b>Partition coefficient (n-octanol/water)</b>      | Not available.                 |
| <b>Auto-ignition temperature</b>                    | Not available.                 |
| <b>Decomposition temperature</b>                    | Not available.                 |
| <b>Viscosity</b>                                    | Not available.                 |
| <b>Other information</b>                            |                                |
| <b>Oxidizing properties</b>                         | Not determined                 |
| <b>Specific gravity</b>                             | 1 - 1.2                        |
| <b>VOC</b>  | 2 g/l EPA Method 24            |

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## 10. Stability and reactivity

|   |  |
|---|--|
| <b>Reactivity</b>                         | Not available.                                       |
| <b>Chemical stability</b>                 | Stable under recommended storage conditions.         |
| <b>Possibility of hazardous reactions</b> | Will not occur.                                      |
| <b>Conditions to avoid</b>                | Not available.                                       |
| <b>Incompatible materials</b>             | Incompatible with strong bases and oxidizing agents. |
| <b>Hazardous decomposition products</b>   | aldehydes  |

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## 11. Toxicological information

### Information on likely routes of exposure

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | Under normal conditions of intended use, this material is not expected to be an inhalation hazard. |
| <b>Skin contact</b> | Contact with skin may result in mild irritation.   |
| <b>Eye contact</b>  | Contact with eyes may result in mild irritation.   |
| <b>Ingestion</b>    | Health injuries are not known or expected under normal use.  |

**Symptoms related to the physical, chemical and toxicological characteristics** Not available.

### Information on toxicological effects

|  |   |
|--|---|
| <b>Acute toxicity</b>                    | Based on available data, the classification criteria are not met. |
| <b>Skin corrosion/irritation</b>         | Based on available data, the classification criteria are not met. |
| <b>Serious eye damage/eye irritation</b> | Based on available data, the classification criteria are not met. |
| <b>Respiratory or skin sensitization</b> |   |
| <b>Respiratory sensitization</b>         | Based on available data, the classification criteria are not met. |
| <b>Skin sensitization</b>                | Based on available data, the classification criteria are not met. |
| <b>Germ cell mutagenicity</b>            | Based on available data, the classification criteria are not met. |
| <b>Carcinogenicity</b>                   | Based on available data, the classification criteria are not met. |
| <b>Reproductive toxicity</b>             | Based on available data, the classification criteria are not met. |

|   |   |
|---|---|
| <b>Specific target organ toxicity - single exposure</b>   | Based on available data, the classification criteria are not met.   |
| <b>Specific target organ toxicity - repeated exposure</b> | Based on available data, the classification criteria are not met.   |
| <b>Aspiration hazard</b>                                  | Based on available data, the classification criteria are not met.   |
| <b>Further information</b>                                | Complete toxicity data are not available for this specific formulation<br>Refer to Section 2 for potential health effects and Section 4 for first aid measures. |

## 12. Ecological information

|                                      |  |
|--------------------------------------|--|
| <b>Aquatic toxicity</b>              | LC50/48h/daphnia =>10000 mg/L                    |
| <b>Ecotoxicity</b>                   | No ecotoxicity data noted for the ingredient(s). |
| <b>Persistence and degradability</b> | Not available.                                   |
| <b>Bioaccumulative potential</b>     | Not available.                                   |
| <b>Mobility in soil</b>              | Not available.                                   |
| <b>Other adverse effects</b>         | Not available.                                   |

## 13. Disposal considerations

|  |  |
|--|--|
| <b>Disposal instructions</b>                 | Do not allow this material to drain into sewers/water supplies.<br>Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations. |
| <b>Waste from residues / unused products</b> | Not available.   |
| <b>Contaminated packaging</b>                | Not available.   |

## 14. Transport information

|                            |  |
|----------------------------|--|
| <b>DOT</b>                 | Not regulated as dangerous goods.                        |
| <b>IATA</b>                | Not regulated as dangerous goods.                        |
| <b>IMDG</b>                | Not regulated as dangerous goods.                        |
| <b>ADR</b>                 | Not regulated as dangerous goods.                        |
| <b>Further information</b> | Not a dangerous good under DOT, IATA, ADR, IMDG, or RID. |

## 15. Regulatory information

### National regulations

#### Ozone Depleting Substances (ODS) Joint circular No. 14/2005/TTLT-BTM-BTNMT

Not regulated.

#### Vietnam. Chemicals that must be declared (Decree No. 108/2008/ND-CP, App. 5, Oct. 7, 2008, as amended through Decree No. 26/2011/ND-CP, April 8, 2011)

Not regulated.

#### Vietnam. Toxic Chemicals Requiring Sale & Purchase Control Slips (Decree No. 26/2011/ND-CP, App. 6, April 8, 2011)

Not regulated.

#### Vietnam. CWC (Decree No. 100/2005/ND-CP, Implementation of Chemical Weapons Convention, Appendix 1, Schedules 1-3, August 3, 2005)

Not regulated.

#### Vietnam. Drug Precursor & Essential Substances (Decree No. 67/2001/ND-CP, List IV, as amended through Decree No. 17/2011/ND-CP, Feb. 22, 2011)

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.

#### Stockholm Convention

Not applicable.

#### Rotterdam Convention

Not applicable.

#### Montreal Protocol

Not applicable.

**Kyoto protocol**  
Not applicable.  
**Basel Convention**  
Not applicable.

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## 16. Other information, including date of preparation or last revision

**Issue date** 24-Aug-2016  
**Revision date** 29-Jan-2020  
**Version #** 02  
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### Explanation of abbreviations

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



# SAFETY DATA SHEET

## 1. Identification

|   |   |  |
|---|---|--|
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| <b>Product identifier</b>                                     | C4892Series[M][2]   |  |
| <b>Other means of identification</b>                          | None.   |  |
| <b>Recommended use</b>  | Inkjet printing   |  |
| <b>Recommended restrictions</b>                               | None known.   |  |
| <b>Manufacturer/Importer/Supplier/Distributor information</b> |   |  |
|   | Hewlett-Packard Vietnam Ltd.<br>Suite 1002, 29 Le Duan, Saigon Tower, 10th floor<br>District 1, Ho Chi Minh city, Ho Chi Minh (Sai Gon),<br>Viet Nam  |  |
| <b>Telephone</b>  | +84437245550  |  |
| <b>HP Inc. health effect line</b>                             |   |  |
| <b>(Toll-free within US)</b>                                  | 1-800-457-4209  |  |
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| <b>HP Inc. Customer Care Line</b>                             |   |  |
| <b>(Toll-free within the US)</b>                              | 1-800-474-6836  |  |
| <b>(Direct)</b>   | 1-208-323-2551  |  |
| <b>Email:</b>   | hpcustomer.inquiries@hp.com   |  |

## 2. Hazard(s) identification

|                              |   |             |
|------------------------------|---|-------------|
| <b>Physical hazards</b>      | Not classified.                                     |             |
| <b>Health hazards</b>        | Serious eye damage/eye irritation                   | Category 1  |
|                              | Reproductive toxicity (fertility, the unborn child) | Category 1B |
| <b>Environmental hazards</b> | Not classified.                                     |             |
| <b>Label elements</b>        |   |             |



|  |  |  |
|--|--|--|
| <b>Signal word</b>   | Danger   |  |
| <b>Hazard statement</b>                                    | Causes serious eye damage. May damage fertility or the unborn child.   |  |
| <b>Precautionary statement</b>                             |  |  |
| <b>Prevention</b>  | Wear protective gloves/protective clothing/eye protection. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use.   |  |
| <b>Response</b>  | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. IF exposed or concerned: Get medical advice/attention.  |  |
| <b>Storage</b>   | Store locked up.   |  |
| <b>Disposal</b>  | Dispose of contents/container in accordance with local/regional/national/international regulations.  |  |
| <b>Other hazards which do not result in classification</b> | 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. |  |
| <b>GHS Supplemental information</b>                        | 2-pyrrolidone: Specific Concentration Limits, Reproductive toxicity Category 1B, fertility or the unborn child 3%.   |  |

## 3. Composition/information on ingredients

### Mixtures

| <b>Hazardous components</b>              |                                 |                   |          |
|--|---------------------------------|-------------------|----------|
| <b>Chemical name</b>                     | <b>Common name and synonyms</b> | <b>CAS number</b> | <b>%</b> |
| 2-pyrrolidone                            |                                 | 616-45-5          | <10      |
| succinic acid                            |                                 | 110-15-6          | <7.5     |
| Secondary Alcohol Ethoxylate             |                                 | Proprietary       | <2.5     |
| <b>Non-hazardous components</b>          |                                 |                   |          |
| <b>Chemical name</b>                     | <b>Common name and synonyms</b> | <b>CAS number</b> | <b>%</b> |
| Water                                    |                                 | 7732-18-5         | 60-80    |
| Substituted naphthalenesulfonate salt #8 |                                 | Proprietary       | <2.5     |

**Composition comments** This ink supply contains an aqueous ink formulation.  
2-pyrrolidone: Specific Concentration Limit 3%.

#### 4. First-aid measures

|   |   |
|---|---|
| <b>Inhalation</b>   | Move to fresh air. If symptoms persist, get medical attention.  |
| <b>Skin contact</b>                                       | Wash affected areas thoroughly with mild soap and water. If irritation persists get medical attention.  |
| <b>Eye contact</b>  | 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. |
| <b>Ingestion</b>  | If ingestion of a large amount does occur, seek medical attention.  |
| <b>Most important symptoms/effects, acute and delayed</b> | Not available.  |

#### 5. Fire-fighting measures

|  |                                   |
|--|-----------------------------------|
| <b>Suitable extinguishing media</b>                                  | CO2, water, dry chemical, or foam |
| <b>Unsuitable extinguishing media</b>                                | None known.                       |
| <b>Specific hazards arising from the chemical</b>                    | None known.                       |
| <b>Special protective equipment and precautions for firefighters</b> | Not available.                    |
| <b>Specific methods</b>  | None established.                 |

#### 6. Accidental release measures

|  |   |
|--|---|
| <b>Personal precautions, protective equipment and emergency procedures</b> | Wear appropriate personal protective equipment.   |
| <b>Methods and materials for containment and cleaning up</b>               | 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. |
| <b>Environmental precautions</b>   | Do not let product enter drains. Do not flush into surface water or sanitary sewer system.  |

#### 7. Handling and storage

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

#### 8. Exposure controls/personal protection

|  |   |
|--|---|
| <b>Occupational exposure limits</b>  | No exposure limits noted for ingredient(s).                             |
| <b>Biological limit values</b>   | No biological exposure limits noted for the ingredient(s).              |
| <b>Exposure guidelines</b>   | Exposure limits have not been established for this product.             |
| <b>Appropriate engineering controls</b>                                      | Use in a well ventilated area.<br>Provide adequate ventilation.         |
| <b>Individual protection measures, such as personal protective equipment</b> |   |
| <b>Eye/face protection</b>   | Not available.  |
| <b>Skin protection</b>   |   |
| <b>Hand protection</b>   | Recommended gloves: Nitrile 4 mil minimum thickness.                    |
| <b>Other</b>   | Use personal protective equipment to minimize exposure to skin and eye. |
| <b>Respiratory protection</b>  | Not available.  |



|                                       |  |
|---------------------------------------|--|
| <b>Thermal hazards</b>                | Not available.   |
| <b>General hygiene considerations</b> | Handle in accordance with good industrial hygiene and safety practice. |

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## 9. Physical and chemical properties

### Appearance

|   |   |
|---|---|
| <b>Physical state</b>                               | Liquid.   |
| <b>Form</b>   | Not available.                                    |
| <b>Color</b>  | Magenta   |
| <b>Odor</b>   | Not available.                                    |
| <b>Odor threshold</b>                               | Not available.                                    |
| <b>pH</b>   | 3.8 - 4.3   |
| <b>Melting point/freezing point</b>                 | Not available.                                    |
| <b>Initial boiling point and boiling range</b>      | Not determined                                    |
| <b>Flash point</b>                                  | > 230.0 °F (> 110.0 °C) Pensky-Martens Closed Cup |
| <b>Evaporation rate</b>                             | Not determined                                    |
| <b>Flammability (solid, gas)</b>                    | Not available.                                    |
| <b>Upper/lower flammability or explosive limits</b> |   |
| <b>Flammability limit - lower (%)</b>               | Not determined                                    |
| <b>Flammability limit - upper (%)</b>               | Not available.                                    |
| <b>Explosive limit - lower (%)</b>                  | Not available.                                    |
| <b>Explosive limit - upper (%)</b>                  | Not available.                                    |
| <b>Vapor pressure</b>                               | Not determined                                    |
| <b>Vapor density</b>                                | Not available.                                    |
| <b>Solubility(ies)</b>                              |   |
| <b>Solubility (water)</b>                           | Soluble in water                                  |
| <b>Partition coefficient (n-octanol/water)</b>      | Not available.                                    |
| <b>Auto-ignition temperature</b>                    | Not available.                                    |
| <b>Decomposition temperature</b>                    | Not available.                                    |
| <b>Viscosity</b>                                    | >= 2 cp   |
| <b>Other information</b>                            |   |
| <b>Oxidizing properties</b>                         | Not determined                                    |
| <b>Percent volatile</b>                             | 8.12 % estimated                                  |
| <b>VOC</b>  | < 170 g/l Estimated                               |

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## 10. Stability and reactivity

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

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## 11. Toxicological information

### Information on likely routes of exposure

|                     |   |
|---------------------|---|
| <b>Inhalation</b>   | Inhalation may result in mild irritation to the respiratory system. |
| <b>Skin contact</b> | Contact with skin may result in mild irritation.                    |
| <b>Eye contact</b>  | Causes serious eye damage.  |
| <b>Ingestion</b>    | Ingestion is not a likely route of exposure.                        |

**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.

| Components | Species | Test Results |
|------------|---------|--------------|
|------------|---------|--------------|

2-pyrrolidone (CAS 616-45-5)

##### Acute

##### Oral

|      |     |              |
|------|-----|--------------|
| LD50 | Rat | > 5000 mg/kg |
|------|-----|--------------|

**Skin corrosion/irritation** Based on available data, the classification criteria are not met.  
Non irritant in rabbit (OECD 404)

**Serious eye damage/eye irritation** Causes serious eye damage.

#### 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.

**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** May damage fertility or the unborn child.

2-pyrrolidone: This component showed developmental effects only at high, maternally toxic doses in test animals. Uptake by people of small doses is not expected to cause developmental toxicity.

**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** LC50/96h/rainbow trout => 100 mg/l  
EC50/48h/daphnia => 100mg/l, OECD 202  
EC50/72h/algae => 100 mg/l, OECD 201

#### Ecotoxicity

| Components | Species | Test Results |
|------------|---------|--------------|
|------------|---------|--------------|

2-pyrrolidone (CAS 616-45-5)

##### **Aquatic**

|           |      |                            |                      |
|-----------|------|----------------------------|----------------------|
| Crustacea | EC50 | Water flea (Daphnia pulex) | 13.21 mg/l, 48 hours |
|-----------|------|----------------------------|----------------------|

succinic acid (CAS 110-15-6)

##### **Aquatic**

|      |      |      |               |
|------|------|------|---------------|
| Fish | LC50 | Fish | 101, 96 Hours |
|------|------|------|---------------|

**Persistence and degradability** Not available.

**Bioaccumulative potential** Not available.

##### **Partition coefficient n-octanol / water (log Kow)**

|               |       |
|---------------|-------|
| 2-pyrrolidone | -0.85 |
| succinic acid | -0.59 |

**Mobility in soil** Not available.

**Other adverse effects** Not available.

## 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>.

|                                       |                |
|---------------------------------------|----------------|
| Waste from residues / unused products | Not available. |
| Contaminated packaging                | Not available. |

## 14. Transport information

### DOT

|                              |                |
|------------------------------|----------------|
| UN number                    | Not available. |
| UN proper shipping name      | Not Regulated  |
| Transport hazard class(es)   |                |
| Class                        | Not available. |
| Subsidiary risk              | -              |
| Packing group                | Not available. |
| Environmental hazards        |                |
| Marine pollutant             | No             |
| Special precautions for user | Not available. |

### IATA

|                              |                |
|------------------------------|----------------|
| UN number                    | Not available. |
| UN proper shipping name      | Not Regulated  |
| Transport hazard class(es)   |                |
| Class                        | Not available. |
| Subsidiary risk              | -              |
| Packing group                | Not available. |
| Environmental hazards        | No             |
| Special precautions for user | Not available. |

### IMDG

|                              |                |
|------------------------------|----------------|
| UN number                    | Not available. |
| UN proper shipping name      | Not Regulated  |
| Transport hazard class(es)   |                |
| Class                        | Not available. |
| Subsidiary risk              | -              |
| Packing group                | Not available. |
| Transport hazard class(es)   |                |
| Marine pollutant             | No             |
| EmS                          | Not available. |
| Special precautions for user | Not available. |

### ADR

|                              |                |
|------------------------------|----------------|
| UN number                    | Not available. |
| UN proper shipping name      | Not Regulated  |
| Transport hazard class(es)   |                |
| Class                        | Not available. |
| Subsidiary risk              | -              |
| Hazard No. (ADR)             | Not available. |
| Tunnel restriction code      | Not available. |
| Packing group                | Not available. |
| Environmental hazards        | No             |
| Special precautions for user | Not available. |

Further information Not a dangerous good under DOT, IATA, ADR, IMDG, or RID.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC code: Not applicable.

## 15. Regulatory information

### National regulations

#### Ozone Depleting Substances (ODS) Joint circular No. 14/2005/TTLT-BTM-BTNMT

Not regulated.

#### Vietnam. Chemicals that must be declared (Decree No. 108/2008/ND-CP, App. 5, Oct. 7, 2008, as amended through Decree No. 26/2011/ND-CP, April 8, 2011)

Not regulated.

#### Vietnam. Toxic Chemicals Requiring Sale & Purchase Control Slips (Decree No. 26/2011/ND-CP, App. 6, April 8, 2011)

Not regulated.

#### Vietnam. CWC (Decree No. 100/2005/ND-CP, Implementation of Chemical Weapons Convention, Appendix 1, Schedules 1-3, August 3, 2005)

Not regulated.

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.

**Stockholm Convention**

Not applicable.

**Rotterdam Convention**

Not applicable.

**Montreal Protocol**

Not applicable.

**Kyoto protocol**

Not applicable.

**Basel Convention**

Not applicable.

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**16. Other information, including date of preparation or last revision**

**Issue date** 23-Aug-2016

**Revision date** 15-Jan-2020

**Version #** 02

**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.

This safety data sheet is meant to convey information about HP inks (toners) provided in HP Original ink (toner) supplies. If our Safety Data Sheet has been provided to you with a refilled, remanufactured, compatible or other non-HP Original supply please be aware that the information contained herein was not meant to convey information about such products and there could be considerable differences from information in this document and the safety information for the product you purchased. Please contact the seller of the refilled, remanufactured or compatible supplies for applicable information, including information on personal protective equipment, exposure risks and safe handling guidance. HP does not accept refilled, remanufactured or compatible supplies in our recycling programs.

**Revision information**

Hazard(s) identification: Hazard statement  
Hazard(s) identification: Disposal  
Hazard(s) identification: Prevention  
Hazard(s) identification: Response  
Hazard(s) identification: Storage  
Hazard(s) identification: GHS Symbols  
Hazard(s) identification: GHS Supplemental information  
3. Composition / Information on Ingredients: Disclosure Overrides  
Composition/information on ingredients: Composition comments  
Exposure controls/personal protection: Other  
Toxicological information: Reproductivity  
Transport information: Further information  
GHS: Classification

## Explanation of abbreviations

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