

C9384Series[MB][2]-SDS\_VIETNAM-English-07.pdf

C9384Series[Y][2]-SDS\_VIETNAM-English-72.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>                                     | C9384Series[MB][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  |
| <b>(Direct)</b>   | 1-760-710-0048  |
| <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>                                      | 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> | Complete toxicity data are not available for this specific formulation.<br><br>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.<br><br>Carbon black is classified by the IARC as a Group 2B carcinogen (the substance is possibly carcinogenic to humans). Carbon black in this preparation, due to its bound form, does not present this carcinogenic risk. None of the other ingredients in this preparation are classified as carcinogens according to ACGIH, EU, IARC, MAK, NTP or OSHA. |
| <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          | <3.0     |
| <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         | 70-80    |
| Hydroxy alkylated lactam        |                                 | Proprietary       | <15      |
| Substituted diol                |                                 | Proprietary       | <7.5     |
| Modified carbon black 11        |                                 | Proprietary       | <5.0     |

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

Carbon black is present only in a bound form in this preparation. 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.  |
| <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>   | 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

|   |   |
|---|---|
| <b>Appearance</b>                                   | Liquid.   |
| <b>Physical state</b>                               | Liquid.   |
| <b>Form</b>   | Not available.                                    |
| <b>Color</b>  | Black.  |
| <b>Odor</b>   | Not available.                                    |
| <b>Odor threshold</b>                               | Not available.                                    |
| <b>pH</b>   | 9.2   |
| <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>                                | > 1 (air=1)                                       |
| <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 determined                                    |
| <b>Decomposition temperature</b>                    | Not available.                                    |
| <b>Viscosity</b>                                    | Not available.                                    |
| <b>Other information</b>                            |   |
| <b>Oxidizing properties</b>                         | Not determined                                    |
| <b>Percent volatile</b>                             | 2.9 % estimated                                   |
| <b>Specific gravity</b>                             | 1 - 1.1   |
| <b>VOC</b>  | < 240 g/l   |

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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. hydrogen fluoride, fluorinated hydrocarbons |

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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>    | 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** Based on available data, the classification criteria are not met. Not classified as an irritant according to, OECD 405.

#### 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.

Carbon black is classified as a carcinogen by the IARC (possibly carcinogenic to humans, Group 2B) and by the State of California under Proposition 65. In their evaluations of carbon black, both organizations indicate that exposure to carbon black, per se, does not occur when it remains bound within a product matrix, specifically, rubber, ink, or paint. Carbon black is present only in a bound form in this preparation. None of the other ingredients in this preparation are classified as carcinogens according to ACGIH, EU, IARC, MAK, NTP or OSHA.

**Reproductive toxicity** Based on available data, the classification criteria are not met.

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** Not expected to be harmful to aquatic organisms.

#### Ecotoxicity

| Product | Species | Test Results |
|---------|---------|--------------|
|---------|---------|--------------|

C9384Series[MB][2] (CAS Mixture)

##### Aquatic

##### Acute

|      |      |  |
|------|------|--|
| Fish | LC50 | Fathead minnow ( <i>Pimephales promelas</i> ) > 750 mg/l, 96 hours |
|------|------|--|

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

2-pyrrolidone (CAS 616-45-5)

##### Aquatic

|           |      |  |
|-----------|------|--|
| Crustacea | EC50 | Water flea ( <i>Daphnia pulex</i> ) 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.

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### 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.<br><br>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 <a href="http://www.hp.com/recycle">http://www.hp.com/recycle</a> . |
| <b>Waste from residues / unused products</b> | Not available.  |
| <b>Contaminated packaging</b>                | Not available.  |

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### 14. Transport information

#### DOT

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

#### IATA

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

#### IMDG

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

#### ADR

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

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### 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** 06-Feb-2020

**Version #** 01

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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.

## 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

|   |   |
|---|---|
| <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>                                     | C9384Series[Y][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 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>                        | None.  |

## 3. Composition/information on ingredients

### Mixtures

#### Non-hazardous components

| Chemical name                              | Common name and synonyms | CAS number  | %     |
|--|--------------------------|-------------|-------|
| Water                                      |                          | 7732-18-5   | 70-85 |
| Hydroxy alkylated lactam                   |                          | Proprietary | <15   |
| Substituted naphthalenesulfonate salt # 13 |                          | Proprietary | < 5   |

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

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#### 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.  |
| Most important symptoms/effects, acute and delayed | Not available.  |

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#### 5. Fire-fighting measures

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

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#### 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.  |

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#### 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, such as personal protective equipment |  |
| Eye/face protection   | Not available.   |
| Skin protection   |  |
| Hand protection   | Not available.   |
| Other   | Not available.   |
| Respiratory protection  | Not available.   |
| Thermal hazards   | Not available.   |
| General hygiene considerations  | Handle in accordance with good industrial hygiene and safety practice. |

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#### 9. Physical and chemical properties

|                              |                |
|------------------------------|----------------|
| Appearance                   |                |
| Physical state               | Liquid.        |
| Form                         | Not available. |
| Color                        | Yellow         |
| Odor                         | Not available. |
| Odor threshold               | Not available. |
| pH                           | 7.1 - 7.7      |
| Melting point/freezing point | Not available. |

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|   |  |
|---|--|
| <b>Initial boiling point and boiling range</b>      | Not determined                                 |
| <b>Flash point</b>                                  | > 230.0 °F (> 110.0 °C) Setafash Closed Tester |
| <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>                                | > 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>                                    | > 2 cp   |
| <b>Other information</b>                            |  |
| <b>Oxidizing properties</b>                         | Not determined                                 |
| <b>Percent volatile</b>                             | 0.45 % estimated                               |
| <b>VOC</b>  | < 225 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>   | 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>   | 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>                | Not available.  |
| <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

**Aquatic toxicity** Not expected to be harmful to aquatic organisms.

### Ecotoxicity

| Product                              | Species        | Test Results  |
|--------------------------------------|----------------|---|
| C9384Series[Y][2]                    |                |   |
| <b>Aquatic</b>                       |                |   |
| <i>Acute</i>                         |                |   |
| Fish                                 | LC50           | Fathead minnow (Pimephales promelas) > 750 mg/l, 96 hours |
| <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

**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

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

### IATA

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

### IMDG

|                                   |                |
|-----------------------------------|----------------|
| <b>UN number</b>                  | Not available. |
| <b>UN proper shipping name</b>    | Not Regulated  |
| <b>Transport hazard class(es)</b> |                |
| <b>Class</b>                      | Not available. |
| <b>Subsidiary risk</b>            | -              |
| <b>Packing group</b>              | Not available. |
| <b>Transport hazard class(es)</b> |                |
| <b>Marine pollutant</b>           | 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.

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## 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 10-Aug-2016

Revision date 28-Jan-2020

Version # 03

**Disclaimer**

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. 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.

**Revision information**

1. Product and Company Identification: Product and Company Identification  
Composition / Information on Ingredients: Ingredients  
Composition/information on ingredients: Composition comments  
Transport information: Further information

**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  |