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

1.1. Product identifier
Trade name or designation of the mixture: C8747Series[B][2]
Registration number: -
Synonyms: None.
Issue date: 03-Jul-2015
Version number: 04
Revision date: 02-Apr-2017
Supersedes date: 21-Aug-2016

1.2. Relevant identified uses of the substance or mixture and uses advised against
Identified uses: Inkjet printing
Uses advised against: None known.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008 as amended
Health hazards
- Reproductive toxicity Category 1B H360 - May damage fertility or the unborn child.

2.2. Label elements
Label according to Regulation (EC) No. 1272/2008 as amended
- Contains: 1-(2-hydroxyethyl)-2-pyrrolidone, 1,2-Benzisothiazolin-3-one, Sulfolane, Water
- Hazard pictograms
- Signal word: Danger
- Hazard statements: H360 May damage fertility or the unborn child.
- Precautionary statements
  - Prevention: P201 - Obtain special instructions before use. P202 - Do not handle until all safety precautions have been read and understood.
  - Response: P308 + P313 - IF exposed or concerned: Get medical attention/advice.
  - Storage: P405 - Store locked up.
  - Disposal: P501 - Dispose of contents/container in accordance with local/regional/national/international regulations.
- Supplemental label information: Contains 1,2-Benzisothiazolin-3-one and 7a-ethylidihydro-1H,3H,5H-oxazolo[3,4-c]oxazole. May produce an allergic reaction.
2.3. Other hazards

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. Potential routes of overexposure to this product are skin and eye contact.

Inhalation of vapor and ingestion are not expected to be significant routes of exposure for this product under normal use conditions.

Complete toxicity data are not available for this specific formulation.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General information

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>%</th>
<th>CAS-No. / EC No.</th>
<th>REACH Registration No.</th>
<th>Index No.</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>80-90</td>
<td>7732-18-5</td>
<td>-</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>1-(2-hydroxyethyl)-2-pyrrolidone</td>
<td>&lt; 2.5</td>
<td>3445-11-2</td>
<td>01-2119977089-21-XXXX</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>2,4,7,9-Tetramethyl-5-decyne-4,7-diol</td>
<td>&lt;1</td>
<td>126-86-3</td>
<td>-</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Sulfolane</td>
<td>&lt; 1</td>
<td>126-33-0</td>
<td>016-031-00-8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1,2-Benzisothiazolin-3-one</td>
<td>&lt;0.1</td>
<td>2634-33-5</td>
<td>613-088-00-6</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Classification:

- Skin Sens. 1B;H317, Eye Dam. 1;H318, Aquatic Chronic 3;H412
- Acute Tox. 4;H302, Repr. 1B;H360D, Repr. 1B;H360F
- Acute Tox. 4;H302, Skin Irrit. 2;H315, Skin Sens. 1;H317, Eye Dam. 1;H318, Aquatic Acute 1;H400, Aquatic Chronic 2;H411

Composition comments

This ink supply contains an aqueous ink formulation.

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

SECTION 4: First aid measures

4.1. Description of 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. Get medical attention if irritation develops or persists.

Eye contact
Do not rub eyes. Immediately flush with large amounts of clean, warm water (low pressure) for at least 15 minutes or until particles are removed. If irritation persists get medical attention.

Ingestion
If ingestion of a large amount does occur, seek medical attention.

4.2. Most important symptoms and effects, both acute and delayed

4.3. Indication of any immediate medical attention and special treatment needed

Not available.

SECTION 5: Firefighting measures

Flash point
212.0 °F (100.0 °C) Pensky-Martens Closed Cup
5.1. Extinguishing media
Suitable extinguishing media
Dry chemical, CO2, water spray or regular foam.

Unsuitable extinguishing media
None known.

Unusual fire & explosion hazards
None known.

5.2. Special hazards arising from the substance or mixture
Not available.

5.3. Advice for firefighters
Special protective equipment for firefighters
Not available.

Special fire fighting procedures
Not available.

Specific methods
None established.

Hazardous combustion products
Refer to section 10.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
For non-emergency personnel
Wear appropriate personal protective equipment.

For emergency responders
Not available.

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

6.3. Methods and material for containment and cleaning up
Dike the spilled material, where this is possible. Absorb with inert absorbent such as dry clay, sand or diatomaceous earth, commercial sorbents, or recover using pumps.

6.4. Reference to other sections
Not available.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Avoid contact with skin, eyes and clothing.

7.2. Conditions for safe storage, including any incompatibilities
Keep out of the reach of children. Keep away from excessive heat or cold.

7.3. Specific end use(s)
Not available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
Occupational exposure limits
No exposure limits noted for ingredient(s).

Biological limit values
No biological exposure limits noted for the ingredient(s).

Recommended monitoring procedures
Not available.

Derived no-effect level (DNEL)

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Route</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>2,4,7,9-Tetramethyl-5-decyne-4,7-diol (CAS 126-86-3)</td>
<td>Consumers</td>
<td>Dermal</td>
<td>0.75 mg/kg</td>
<td>Systemic short term</td>
</tr>
<tr>
<td></td>
<td>Dermal</td>
<td>0.25 mg/kg</td>
<td>Systemic long term</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Inhalation</td>
<td>1.29 mg/m3</td>
<td>Systemic short term</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Inhalation</td>
<td>0.43 mg/m3</td>
<td>Systemic long term</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Oral</td>
<td>0.75 mg/kg</td>
<td>Systemic short term</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Oral</td>
<td>0.25 mg/kg</td>
<td>Systemic long term</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Workers</td>
<td>Dermal</td>
<td>1.5 mg/kg</td>
<td>Systemic short term</td>
</tr>
<tr>
<td></td>
<td>Dermal</td>
<td>0.5 mg/kg</td>
<td>Systemic long term</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Inhalation</td>
<td>5.28 mg/m3</td>
<td>Systemic short term</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Inhalation</td>
<td>1.76 mg/m3</td>
<td>Systemic long term</td>
<td></td>
</tr>
<tr>
<td>Sulfolane (CAS 126-33-0)</td>
<td>Workers</td>
<td>Dermal</td>
<td>7.8 mg/kg</td>
<td>Systemic long term</td>
</tr>
</tbody>
</table>
## Predicted no effect concentrations (PNECs)

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Route</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>2,4,7,9-Tetramethyl-5-decyne-4,7-diol (CAS 126-86-3)</td>
<td>Not applicable</td>
<td>Freshwater</td>
<td>0.04 mg/l</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Intermittent</td>
<td>0.4 mg/l</td>
<td>Releases</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Marine water</td>
<td>0.004 mg/l</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Sediment</td>
<td>0.32 mg/kg</td>
<td>Marine water</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Sediment</td>
<td>0.032 mg/kg</td>
<td>Marine water</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Soil</td>
<td>0.028 mg/kg</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>STP</td>
<td>7 mg/l</td>
<td>Sewage Treatment Plant</td>
</tr>
<tr>
<td>Sulfolane (CAS 126-33-0)</td>
<td>Not applicable</td>
<td>Freshwater</td>
<td>0.1 mg/l</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Intermittent</td>
<td>1 mg/l</td>
<td>Releases</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Marine water</td>
<td>0.01 mg/l</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Sediment</td>
<td>0.39 mg/kg</td>
<td>Freshwater</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Sediment</td>
<td>0.039 mg/kg</td>
<td>Marine water</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Soil</td>
<td>0.02 mg/kg</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>STP</td>
<td>100 mg/l</td>
<td>Sewage Treatment Plant</td>
</tr>
</tbody>
</table>

### Exposure guidelines

Exposure limits have not been established for this product.

### 8.2. Exposure controls

#### Appropriate engineering controls

Use in a well ventilated area.

#### Individual protection measures, such as personal protective equipment

**General information**

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

**Eye/face protection**

Not available.

**Skin protection**

- **Hand protection**
  
  Not available.

- **Other**
  
  Not available.

**Respiratory protection**

Not available.

**Thermal hazards**

Not available.

### Hygiene measures

Handle in accordance with good industrial hygiene and safety practice.

### Environmental exposure controls

Not available.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

**Appearance**

- **Physical state**
  
  Not available.

- **Color**
  
  Black.

**Odor**

Not available.

**Odor threshold**

Not available.

**pH**

8.7 - 9.1

**Melting point/freezing point**

Not available.

**Initial boiling point and boiling range**

Not determined

**Flash point**

212.0 °F (100.0 °C) Pensky-Martens Closed Cup

**Evaporation rate**

Not determined

**Flammability (solid, gas)**

Not available.

**Upper/lower flammability or explosive limits**

- **Flammability limit - lower (°C)**
  
  Not determined

- **Flammability limit - upper (%)**
  
  Not available.

**Vapor pressure**

Not determined

**Relative density**

Not available.
Solubility(ies)
  Solubility (water) Soluble in water
  Solubility (other) Not available.
Partition coefficient (n-octanol/water) Not available.
Auto-ignition temperature Not determined
Decomposition temperature Not available.
Viscosity Not available.
Explosive properties Not available.
Oxidizing properties Not determined
9.2. Other information VOC (Weight %) < 117 g/L

SECTION 10: Stability and reactivity
10.1. Reactivity Not available.
10.2. Chemical stability Stable under recommended storage conditions.
10.3. Possibility of hazardous reactions Will not occur.
10.4. Conditions to avoid Not available.
10.5. Incompatible materials Incompatible with strong bases and oxidizing agents.
10.6. Hazardous decomposition products Upon decomposition, this product may yield gaseous nitrogen oxides, carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

SECTION 11: Toxicological information
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.
Skin sensitizer Based on available data, the classification criteria are not met.
Respiratory sensitizer Based on available data, the classification criteria are not met.
Carcinogenicity 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.
Germ cell mutagenicity Based on available data, the classification criteria are not met.
Toxic to reproduction May damage fertility or the unborn child.
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.

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sulfolane (CAS 126-33-0)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acute</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dermal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rabbit</td>
<td>4009 mg/kg</td>
</tr>
<tr>
<td>Rat</td>
<td></td>
<td>&gt; 2000 mg/kg</td>
</tr>
<tr>
<td>Inhalation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC50</td>
<td>Rat</td>
<td>&gt; 12 mg/L, 4 Hours</td>
</tr>
<tr>
<td>Oral</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Guinea pig</td>
<td>1445 mg/kg</td>
</tr>
</tbody>
</table>
### SECTION 12: Ecological information

#### 12.1. Toxicity

- Not available.

#### 12.2. Persistence and degradability

- Not available.

#### 12.3. Bioaccumulative potential

- Not available.

#### Partition coefficient

- n-octanol/water (log Kow)
  - Sulfolane: -0.77

- Bioconcentration factor (BCF) Not available.

#### 12.4. Mobility in soil

- Not available.

#### 12.5. Results of PBT and vPvB assessment

- Not a PBT or vPvB substance or mixture.

#### 12.6. Other adverse effects

- Not available.

### COMPONENTS TEST RESULTS

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mouse 1500 mg/kg</td>
<td>Rat 1941 mg/kg</td>
<td></td>
</tr>
<tr>
<td>LD50 Guinea pig</td>
<td>Mouse 1080 mg/kg</td>
<td></td>
</tr>
<tr>
<td>Rabbit 1.9 g/kg</td>
<td>Rat 1094 mg/kg</td>
<td></td>
</tr>
</tbody>
</table>

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

- Residual waste Not available.
- Contaminated packaging Not available.
- EU waste code Not available.

- Disposal methods/information
  - Do not dispose of together with general office waste. Do not allow this material to drain into sewers/water supplies.
  - Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.
  - Ensure collection and disposal with an appropriately licensed waste contractor.
  - 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](http://www.hp.com/recycle).

### SECTION 14: Transport information

#### DOT

- Not regulated as dangerous goods.

#### IATA

- Not regulated as dangerous goods.

#### IMDG

- Not regulated as dangerous goods.

#### ADR

- Not regulated as dangerous goods.

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

### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

<table>
<thead>
<tr>
<th>EU regulations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Material name: C8747Series[B][2]</td>
</tr>
<tr>
<td>Version #: 04 Revision date: 02-Apr-2017 Issue date: 03-Jul-2015</td>
</tr>
</tbody>
</table>
Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I
Not listed.
Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex II
Not listed.
Not listed.
Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 1 as amended
Not listed.
Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 2 as amended
Not listed.
Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 3 as amended
Not listed.
Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex V as amended
Not listed.
Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry
Not listed.
Regulation (EC) No. 1907/2006, REACH Article 59(1) Candidate List as currently published by ECHA
Not listed.

Authorizations
Regulation (EC) No. 143/2011 Annex XIV Substances Subject to Authorization
Not listed.

Restrictions on use
Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended
Not listed.
Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work
Not regulated.
Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breastfeeding
Not regulated.

Other EU regulations
Directive 96/82/EC (Seveso II) on the control of major-accident hazards involving dangerous substances
Not regulated.
Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work
Sulfolane (CAS 126-33-0)

Directive 94/33/EC on the protection of young people at work
Not regulated.

Other regulations
All chemical substances in this HP product have been notified or are exempt from notification under chemical substances notification laws in the following countries: US (TSCA), EU (EINECS/ELINCS), Switzerland, Canada (DSL/NDSL), Australia, Japan, Philippines, South Korea, New Zealand, and China.

Other information
This Safety Data Sheet complies with the requirements of Regulation (EU) 2015/830. Classification according to Regulation (EC) No 1272/2008 as amended.


National regulations
Not available.

15.2. Chemical safety assessment
See attached SUMI or GEIS document, if applicable.
SECTION 16: Other information

References
Not available.

Information on evaluation method leading to the classification of mixture
Not available.

Training information
Not available.

Disclaimer
This Safety Data Sheet document is provided without charge to customers of HP. Data is the most current known to HP at the time of preparation of this document and is believed to be accurate. It should not be construed as guaranteeing specific properties of the products as described or suitability for a particular application. This document was prepared to the requirements of the jurisdiction specified in Section 1 above and may not meet regulatory requirements in other countries.

Revision information
Composition/Information on Ingredients
SECTION 15: Regulatory information: Other information

Manufacturer information
HP Inc.
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>Definition</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>
### Safe Use of Mixture Information (SUMI)

**Water Based Ink: WB01  *English***

#### Disclaimer

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

#### Operational conditions

<table>
<thead>
<tr>
<th>Maximum duration</th>
<th>&lt; 240 days per year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency exposure</td>
<td>Covers use at ambient temperatures.</td>
</tr>
<tr>
<td>Process conditions</td>
<td>Avoid direct contact.</td>
</tr>
<tr>
<td></td>
<td>Supervision in place to check that Risk Management Measures are in place are being correctly used and Operational Conditions followed.</td>
</tr>
</tbody>
</table>

#### Risk management measures

<table>
<thead>
<tr>
<th>Conditions and measures related to Personal Protection Equipment, hygiene and health evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wear safety glasses with side shields (or goggles), if splashing is possible.</td>
</tr>
<tr>
<td>Wear appropriate chemical resistant gloves: see section 8 of the SDS.</td>
</tr>
<tr>
<td>Wear appropriate chemical resistant clothing.</td>
</tr>
<tr>
<td>In case of inadequate ventilation wear respiratory protection.</td>
</tr>
<tr>
<td>Eye wash fountain and emergency showers are recommended.</td>
</tr>
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</tr>
<tr>
<td>Avoid contact with skin, eyes and clothing.</td>
</tr>
<tr>
<td>Training of workers in relation to proper use and maintenance of all Personal protection equipment (PPE) must be ensured.</td>
</tr>
</tbody>
</table>

#### Good practice advice

- Use personal protective equipment as required.
- Wash hands before breaks and after work.
- Keep good industrial hygiene and safety practice.
- Use only with adequate ventilation.
- Do no eat, drink or smoke when using this product.
- Wash contaminated clothing before reuse.
- Store at room temperature.

#### Environmental measures

- Do not allow this material to drain into sewers/water supplies.
- Dispose of waste material according to Local, State, Federal and Provincial Environmental Regulations.
- Ensure collection and disposal with appropriately licenced waste contractor.

#### Use descriptors

- IS-Use at industrial sites
- PW-Widespread use by professional workers
- SU7-Printing and reproduction media
- PC18-Inks and Toners
- PROC1-Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions.
- PROC2-Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions
- PROC3- Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition
- PROC8a-Transfer of substance or mixture (charging and discharging) at non-dedicated facilities
- PROC8b-Transfer of substance or mixture (charging and discharging) at dedicated facilities
- ERC5-Use at industrial site leading to inclusion into/onto article
- ERC8c-Widespread use leading to inclusion into/onto article (indoor)

#### Additional information on product composition

In section 2 of the SDS as well as on the label, the classification of the mixture is provided. Most of the water based inks are "not classified". The classification of the mixture is based on the individual ingredients and their concentration within the mixture. All ingredients contributing to the classification are stated in Section 3 of the SDS. Relevant limit values of ingredients on which the exposure assessment is based, are listed in section 8 of the SDS. The product may contain sensitizing ingredients that may cause allergic reaction to certain people. Section 2 of the SDS states these ingredients where applicable.
SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name or designation of the mixture: C8747Series[Y][2]
Registration number: -
Synonyms: None.
Issue date: 02-Jul-2015
Version number: 03
Revision date: 21-Aug-2016
Supersedes date: 02-Aug-2015

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Inkjet printing
Uses advised against: None known.

Company identification: HP Computing and Printing Zagreb d.o.o.
Radnicka cesta, 41, 7th Floor (North Wing)
Zagreb, Croatia 10000
Telephone +385 1 60 60 200

HP Inc. health effects line
(Toll-free within the US) 1-800-457-4209
(Direct) 1-760-710-0048

HP Inc. Customer Care Line
(Toll-free within the US) 1-800-474-6836
(Direct) 1-208-323-2551
Email: hpcustomer.inquiries@hp.com
Emergency number 00-385-1-23-48-342

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 as amended:
This mixture does not meet the criteria for classification according to Regulation (EC) 1272/2008 as amended.

2.2. Label elements

Label according to Regulation (EC) No. 1272/2008 as amended
Contains: Tetraethylene glycol, Tripropylene glycol, Water, Yellow pigment
Hazard pictograms: None.
Signal word: Warning
Hazard statements: H319 Causes serious eye irritation.
Precautionary statements:
Prevention: P264 Wash thoroughly after handling.
P280 Wear eye/face protection.
Response: P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 If eye irritation persists: Get medical advice/attention.
Storage: Not available.
Disposal: Not available.

Supplemental label information: Contains 1,2-Benzisothiazolin-3-one and 7a-ethylidihydro-1H,3H,5H-oxazolo[3,4-c]oxazole. May produce an allergic reaction.

2.3. Other hazards

Potential routes of overexposure to this product are skin and eye contact. Inhalation of vapor and ingestion are not expected to be significant routes of exposure for this product under normal use conditions. Complete toxicity data are not available for this specific formulation.
SECTION 3: Composition/information on ingredients

3.2. Mixtures

General information

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>%</th>
<th>CAS-No. / EC No.</th>
<th>REACH Registration No.</th>
<th>Index No.</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>70-80</td>
<td>7732-18-5 231-791-2</td>
<td>-</td>
<td>-</td>
<td></td>
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<td>Classification:</td>
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<tr>
<td>Tripropylene glycol</td>
<td>&lt; 10</td>
<td>24800-44-0 246-466-0</td>
<td>-</td>
<td>-</td>
<td></td>
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<tr>
<td>Tetraethylene glycol</td>
<td>&lt; 5</td>
<td>112-60-7 203-989-9</td>
<td>01-2119971572-32-XXXX</td>
<td>-</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Yellow pigment</td>
<td>&lt; 5</td>
<td>Proprietary</td>
<td>-</td>
<td>-</td>
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<tr>
<td></td>
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</tbody>
</table>

Composition comments
This ink supply contains an aqueous ink formulation.

SECTION 4: First aid measures

General information
Not available.

4.1. Description of first aid 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.

4.2. Most important symptoms and effects, both acute and delayed
Not available.

4.3. Indication of any immediate medical attention needed
Not available.

SECTION 5: Firefighting measures

Flash point
212.0 °F (100.0 °C) Pensky-Martens Closed Cup

5.1. Extinguishing media
Suitable extinguishing media
CO2, water, dry chemical, or foam

Unsuitable extinguishing media
None known.

5.2. Special hazards arising from the substance or mixture
Combustion generates toxic fumes of fluoride/fluorine compounds; oxides of phosphorus.

5.3. Advice for firefighters
Special protective equipment for firefighters
Not available.
**SECTION 6: Accidental release measures**

6.1. Personal precautions, protective equipment and emergency procedures

- **For non-emergency personnel**
  Wear appropriate personal protective equipment.

- **For emergency responders**
  Not available.

6.2. Environmental precautions

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

6.3. Methods and material for containment and cleaning up

Dike the spilled material, where this is possible. Absorb with inert absorbent such as dry clay, sand or diatomaceous earth, commercial sorbents, or recover using pumps.

6.4. Reference to other sections

Not available.

**SECTION 7: Handling and storage**

7.1. Precautions for safe handling

Avoid contact with skin, eyes and clothing.

7.2. Conditions for safe storage, including any incompatibilities

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

7.3. Specific end use(s)

Not available.

**SECTION 8: Exposure controls/personal protection**

8.1. Control parameters

- **Occupational exposure limits**
  No exposure limits noted for ingredient(s).

- **Biological limit values**
  No biological exposure limits noted for the ingredient(s).

- **Recommended monitoring procedures**
  Not available.

- **Derived no-effect level (DNEL)**
  Not available.

- **Predicted no effect concentrations (PNECs)**
  Not available.

- **Exposure guidelines**
  Exposure limits have not been established for this product.

8.2. Exposure controls

- **Appropriate engineering controls**
  Use in a well ventilated area.

- **Individual protection measures, such as personal protective equipment**
  - **General information**
    Use personal protective equipment to minimize exposure to skin and eye.
  
  - **Eye/face protection**
    Not available.

- **Skin protection**
  - **Hand protection**
    Not available.
  
  - **Other**
    Not available.

- **Respiratory protection**
  Not available.

- **Thermal hazards**
  Not available.

- **Hygiene measures**
  Handle in accordance with good industrial hygiene and safety practice.

- **Environmental exposure controls**
  Not available.

**SECTION 9: Physical and chemical properties**

9.1. Information on basic physical and chemical properties

**Appearance**

- **Physical state**
  Not available.

- **Color**
  Yellow.

- **Odor**
  Not available.
Odor threshold: Not available.
P pH: 8.9
Melting point/freezing point: Not available.
Initial boiling point and boiling range: Not determined
Flash point: 212.0 °F (100.0 °C) Pensky-Martens Closed Cup
Evaporation rate: Not determined
Flammability (solid, gas): Not available.
Upper/lower flammability or explosive limits:
  Flammability limit - lower (%): Not determined
  Flammability limit - upper (%): Not available.
Vapor pressure: Not determined
Relative density: Not available.
Solubility(ies):
  Solubility (water): Soluble in water
  Solubility (other): Not available.
Partition coefficient (n-octanol/water): Not available.
Auto-ignition temperature: Not determined
Decomposition temperature: Not available.
Viscosity: Not available.
Explosive properties: Not available.
Oxidizing properties: Not determined
9.2. Other information:
  VOC (Weight %): < 193 g/L

SECTION 10: Stability and reactivity
10.1. Reactivity: Not available.
10.2. Chemical stability: Stable under recommended storage conditions.
10.3. Possibility of hazardous reactions:
  Will not occur.
10.4. Conditions to avoid: Not available.
10.5. Incompatible materials:
  Incompatible with strong bases and oxidizing agents.
10.6. Hazardous decomposition products:
  Upon decomposition, this product may yield gaseous nitrogen oxides, carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. Decomposition of this product may yield oxides of phosphorus, hydrogen fluoride, fluorinated hydrocarbons.

SECTION 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.
Skin sensitizer: Based on available data, the classification criteria are not met.
Respiratory sensitizer: 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.

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tetraethylene glycol (CAS 112-60-7)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acute</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dermal</td>
<td>Rabbit</td>
<td>22570 mg/kg</td>
</tr>
<tr>
<td>Oral</td>
<td>Rat</td>
<td>29 g/kg</td>
</tr>
</tbody>
</table>

SECTION 12: Ecological information

12.1. Toxicity

12.2. Persistence and degradability Not available.

12.3. Bioaccumulative potential Not available.

12.4. Mobility in soil Not available.

12.5. Aquatic toxicity This product has not been tested for ecological effects.

12.6. Other adverse effects Not available.

<table>
<thead>
<tr>
<th>Product</th>
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</thead>
<tbody>
<tr>
<td>C8747Series[Y][2]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aquatic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
<td>Fathead minnow (Pimephales promelas) 490 mg/l, 96 hr</td>
</tr>
</tbody>
</table>

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Residual waste Not available.

Contaminated packaging Not available.

EU waste code Not available.

Disposal methods/information Do not allow this material to drain into sewers/water supplies.

HP's Planet Partners (trademark) supplies recycling program enables simple, convenient recycling of HP original inkjet and LaserJet supplies. For more information and to determine if this service is available in your location, please visit http://www.hp.com/recycle.

SECTION 14: Transport information

DOT Not regulated as dangerous goods.

IATA Not regulated as dangerous goods.

IMDG Not regulated as dangerous goods.

ADR Not regulated as dangerous goods.

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

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulations

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I
Not listed.
Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex II
Not listed.
Not listed.
Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 1 as amended
Not listed.
Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 2 as amended
Not listed.
Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 3 as amended
Not listed.
Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex V as amended
Not listed.
Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry
Not listed.
Regulation (EC) No. 1907/2006, REACH Article 59(1) Candidate List as currently published by ECHA
Not listed.

Authorizations
Regulation (EC) No. 143/2011 Annex XIV Substances Subject to Authorization
Not listed.

Restrictions on use
Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended
Not listed.
Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work
Not regulated.
Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breastfeeding
Not regulated.

Other EU regulations
Directive 96/82/EC (Seveso II) on the control of major-accident hazards involving dangerous substances
Not regulated.
Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work
Not regulated.
Directive 94/33/EC on the protection of young people at work
Not regulated.

Other regulations
All chemical substances in this HP product have been notified or are exempt from notification under chemical substances notification laws in the following countries: US (TSCA), EU (EINECS/ELINCS), Switzerland, Canada (DSL/NDSL), Australia, Japan, Philippines, South Korea, New Zealand, and China.

Other information

National regulations
Not available.

15.2. Chemical safety assessment
See attached SUMI or GEIS document, if applicable.

SECTION 16: Other information

References
Not available.

Information on evaluation method leading to the classification of mixture
Not available.

Training information
Not available.
Disclaimer

This Safety Data Sheet document is provided without charge to customers of HP. Data is the most current known to HP at the time of preparation of this document and is believed to be accurate. It should not be construed as guaranteeing specific properties of the products as described or suitability for a particular application. This document was prepared to the requirements of the jurisdiction specified in Section 1 above and may not meet regulatory requirements in other countries.

Revision information

None.

Manufacturer information

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

Explanation of abbreviations

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

**Water Based Ink: WB01 *English***

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

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

### Operational conditions

<table>
<thead>
<tr>
<th>Maximum duration</th>
<th>Up to 8 hours per day</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency exposure</td>
<td>&lt; 240 days per year</td>
</tr>
</tbody>
</table>

### Process conditions

- Covers use at ambient temperatures.
- Adequate ventilation should be provide for the areas where printing is performed. ANSI/ASHRAE Standard 62.1-2013 provides guidelines to ensure acceptable air quality in the workspace.
- Avoid direct contact.
- Regular cleaning of equipment and work area.
- Supervision in place to check that Risk Management Measures are in place are being correctly used and Operational Conditions followed.

### Risk management measures

#### Conditions and measures related to Personal Protection Equipment, hygiene and health evaluation

- Wear safety glasses with side shields (or goggles), if splashing is possible.
- Wear appropriate chemical resistant gloves: see section 8 of the SDS.
- Wear appropriate chemical resistant clothing.
- In case of inadequate ventilation wear respiratory protection.
- Eye wash fountain and emergency showers are recommended.
- Avoid breathing mist/vapours.
- Avoid contact with skin, eyes and clothing.
- Training of workers in relation to proper use and maintenance of all Personal protection equipment (PPE) must be ensured.

**Eye wash fountain and emergency showers are recommended.**

### Good practice advice

- Use personal protective equipment as required.
- Wash hands before breaks and after work.
- Keep good industrial hygiene and safety practice.
- Use only with adequate ventilation.
- Do no eat, drink or smoke when using this product.
- Wash contaminated clothing before reuse.
- Store at room temperature.

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- Do not allow this material to drain into sewers/water supplies.
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