1. Identification

Product identifier         L0R57Series
Other means of identification Not available.
Recommended use           Inkjet printing
Recommended restrictions None known.
Company identification     HP Inc.
                                 1501 Page Mill Road
                                 Palo Alto, CA 94304-1112
                                 United States
                                 Telephone 650-857-5020

                                 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

2. Hazard(s) identification

Physical hazards         Not classified.
Health hazards            Not classified.
Environmental hazards     Not classified.
OSHA defined hazards      Not classified.
Label elements
Hazard symbol            None.
Signal word              None.
Hazard statement         Not available.
Precautionary statement
Prevention               Not available.
Response                 Not available.
Storage                  Not available.
Disposal                 Not available.
Hazard(s) not otherwise classified (HNOC)
Complete toxicity data are not available for this specific formulation.

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.

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.

Supplemental information
This product is not classified as hazardous according to OSHA CFR 1910.1200 (HazCom 2012).

3. Composition/information on ingredients

Mixtures

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Common name and synonyms</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td></td>
<td>7732-18-5</td>
<td>70-85</td>
</tr>
<tr>
<td>2-pyrrolidone</td>
<td></td>
<td>616-45-5</td>
<td>&lt;10</td>
</tr>
<tr>
<td>Pigment Yellow</td>
<td>Proprietary</td>
<td></td>
<td>&lt;5</td>
</tr>
</tbody>
</table>
Composition comments

This ink supply contains an aqueous ink formulation. This product has been evaluated using criteria specified in 29 CFR 1910.1200 (Hazard Communication Standard).

4. First-aid measures

**Inhalation**
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.

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

5. Fire-fighting measures

**Suitable extinguishing media**
Dry chemical, CO2, water spray or regular foam.

**Unsuitable extinguishing media**
None known.

**Specific hazards arising from the chemical**
Not applicable.

**Special protective equipment and precautions for firefighters**
Not available.

**Specific methods**
None established.

6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures**
Wear appropriate personal protective equipment.

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

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

7. Handling and storage

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

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

8. Exposure controls/personal protection

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

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

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

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

**Individual protection measures, 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.

9. Physical and chemical properties

**Appearance**

Material name: L0R57Series

12736   Version #: 03   Revision date: 28-Mar-2017   Issue date: 05-Apr-2016
### Physical state
- Not available.

### Color
- Yellow

### Odor
- Not available.

### Odor threshold
- Not available.

### pH
- 9 - 9.6

### Melting point/freezing point
- Not available.

### Initial boiling point and boiling range
- Not available.

### Flash point
- > 230.0 °F (> 110.0 °C) Pensky-Martens Closed Cup

### Evaporation rate
- Not available.

### Flammability (solid, gas)
- Not available.

### Upper/lower flammability or explosive limits

| Flammability limit - lower (%) | Not available. |
| Flammability limit - upper (%) | Not available. |
| Explosive limit - lower (%)    | Not available. |
| Explosive limit - upper (%)    | Not available. |

### Vapor pressure
- Not available.

### Solubility(ies)

- Solubility (water)
  - Not available.

- Partition coefficient (n-octanol/water)
  - Not available.

### Auto-ignition temperature
- Not available.

### Decomposition temperature
- Not available.

### Viscosity
- Not available.

### Other information
- For other VOC regulatory data/information see Section 15.

### VOC (Weight %)
- 205 g/l

### 10. Stability and reactivity

#### Reactivity
- Not available.

#### Chemical stability
- Stable under recommended storage conditions.

#### Possibility of hazardous reactions
- Will not occur.

#### Conditions to avoid
- Not available.

#### Incompatible materials
- Incompatible with strong bases and oxidizing agents.

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

### 11. Toxicological information

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

#### Information on toxicological effects

- **Acute toxicity**: Based on available data, the classification criteria are not met.

- **Skin corrosion/irritation**: Based on available data, the classification criteria are not met.

- **Serious eye damage/eye irritation**: Based on available data, the classification criteria are not met.

#### Respiratory or skin sensitization

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

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

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

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

Specific target organ toxicity
- single exposure
Based on available data, the classification criteria are not met.

Specific target organ toxicity
- repeated exposure
Based on available data, the classification criteria are not met.

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

Further information
Complete toxicity data are not available for this specific formulation
Refer to Section 2 for potential health effects and Section 4 for first aid measures.

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

12. Ecological information

Aquatic toxicity
No information available.

Ecotoxicity

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-pyrrolidone (CAS 616-45-5)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aquatic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crustacea</td>
<td>EC50</td>
<td>Water flea (Daphnia pulex)</td>
</tr>
</tbody>
</table>

Persistence and degradability
Not available.

Bioaccumulative potential
Not available.

Partition coefficient n-octanol / water (log Kow)
2-pyrrolidone
-0.85

Mobility in soil
Not available.

Other adverse effects
Not available.

13. Disposal considerations

Disposal instructions
Do not allow this material to drain into sewers/water supplies.
Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

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

14. Transport information

DOT
Not regulated as dangerous goods.

IATA
Not regulated as dangerous goods.

IMDG
Not regulated as dangerous goods.

ADR
Not regulated as dangerous goods.

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

15. Regulatory information

US federal regulations
US TSCA 12(b): Does not contain listed chemicals.
### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)
Not regulated.

### CERCLA Hazardous Substance List (40 CFR 302.4)
Not listed.

### SARA 304 Emergency release notification
Not regulated.

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

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

<table>
<thead>
<tr>
<th>Hazard categories</th>
<th>Immediate Hazard - No</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Delayed Hazard - No</td>
</tr>
<tr>
<td></td>
<td>Fire Hazard - No</td>
</tr>
<tr>
<td></td>
<td>Pressure Hazard - No</td>
</tr>
<tr>
<td></td>
<td>Reactivity Hazard - No</td>
</tr>
</tbody>
</table>

### SARA 302 Extremely hazardous substance
Not listed.

### SARA 311/312 Hazardous chemical
No

### Other federal regulations

#### Safe Drinking Water Act (SDWA)
Not regulated.

### US state regulations

#### US. Massachusetts RTK - Substance List
2-pyrrolidone (CAS 616-45-5)

#### US. New Jersey Worker and Community Right-to-Know Act
Not listed.

#### US. Pennsylvania Worker and Community Right-to-Know Law
2-pyrrolidone (CAS 616-45-5)

#### US. Rhode Island RTK
Not regulated.

#### US. California Proposition 65
Not Listed.

### Other information
VOC content (less water, less exempt compounds) = 758 g/L (U.S. requirement, not for emissions)

VOC data based on formulation (Organic compounds minus solids)

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

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

<table>
<thead>
<tr>
<th>Issue date</th>
<th>05-Apr-2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>Revision date</td>
<td>28-Mar-2017</td>
</tr>
<tr>
<td>Version #</td>
<td>03</td>
</tr>
</tbody>
</table>

### 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
1. Product and Company Identification: Alternate Trade Names

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

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Material name: L0R57Series

12736 Version #: 03 Revision date: 28-Mar-2017 Issue date: 05-Apr-2016
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