1. Identification

<table>
<thead>
<tr>
<th><strong>Product identifier</strong></th>
<th>CV119Series</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Other means of identification</strong></td>
<td>None.</td>
</tr>
<tr>
<td><strong>Recommended use</strong></td>
<td>Inkjet printing</td>
</tr>
<tr>
<td><strong>Recommended restrictions</strong></td>
<td>None known.</td>
</tr>
</tbody>
</table>
| **Manufacturer/Importer/Supplier/Distributor information** | HP Inc.  
1501 Page Mill Road  
Palo Alto, CA 94304-1112  
United States  
Telephone 650-857-5020 |

2. Hazard(s) identification

<table>
<thead>
<tr>
<th><strong>Physical hazards</strong></th>
<th>Flammable liquids</th>
<th>Category 2</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Health hazards</strong></td>
<td>Serious eye damage/eye irritation</td>
<td>Category 1</td>
</tr>
<tr>
<td><strong>Environmental hazards</strong></td>
<td>Not classified.</td>
<td></td>
</tr>
<tr>
<td><strong>OSHA defined hazards</strong></td>
<td>Not classified.</td>
<td></td>
</tr>
</tbody>
</table>

**Label elements**

- **Signal word**: Danger
- **Hazard statement**: Highly flammable liquid and vapor. Causes serious eye damage.
- **Precautionary statement**
  - **Response**: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a POISON CENTER or doctor/physician. In case of fire: Use carbon dioxide (CO2) to extinguish.
  - **Storage**: Store in a well-ventilated place. Keep cool.
  - **Disposal**: Dispose of contents/container in accordance with local/regional/national/international regulations.
  - **Hazard(s) not otherwise classified (HNOC)**: None known.
  - **Supplemental information**: None.
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>Ethyl Alcohol</td>
<td></td>
<td>64-17-5</td>
<td>&lt;80</td>
</tr>
<tr>
<td>Black Colorant</td>
<td>Proprietary</td>
<td></td>
<td>&lt;15</td>
</tr>
<tr>
<td>n-Propyl Alcohol</td>
<td></td>
<td>71-23-8</td>
<td>&lt;10</td>
</tr>
<tr>
<td>Acetone</td>
<td></td>
<td>67-64-1</td>
<td>&lt;7.5</td>
</tr>
</tbody>
</table>

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
Immediately flush eye(s) with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. If irritation persists get medical attention.

Ingestion
If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting.

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

5. Fire-fighting measures

Suitable extinguishing media
Suitable extinguishing media: sand, carbon dioxide (CO2) or dry chemical.

Unsuitable extinguishing media
Not available.

Specific hazards arising from the chemical
None known.

Special protective equipment and precautions for firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Fire fighting equipment/instructions
Containers can build up pressure if exposed to heat (fire). Use water spray to cool unopened containers.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures
Evacuate the area promptly. Do not touch or walk through spilled material. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Ensure adequate ventilation. Wear appropriate personal protective equipment.

Methods and materials for containment and cleaning up
Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

Environmental precautions
Avoid release to the environment. Refer to special instructions/safety data sheets.

7. Handling and storage

Precautions for safe handling
Do not handle or store near an open flame, heat or other sources of ignition. Use with adequate ventilation. Take precautionary measures against static discharges.

Conditions for safe storage, including any incompatibilities
Keep container closed when not in use. Keep away from heat sources of ignition. Keep only in original container.

8. Exposure controls/personal protection

Occupational exposure limits
This mixture has no ingredients that have PEL, TLV, or other recommended exposure limit.

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone (CAS 67-64-1)</td>
<td>PEL</td>
<td>2400 mg/m3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1000 ppm</td>
</tr>
<tr>
<td>Ethyl Alcohol (CAS 64-17-5)</td>
<td>PEL</td>
<td>1900 mg/m3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1000 ppm</td>
</tr>
<tr>
<td>n-Propyl Alcohol (CAS 71-23-8)</td>
<td>PEL</td>
<td>500 mg/m3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>200 ppm</td>
</tr>
</tbody>
</table>
**US. ACGIH Threshold Limit Values**

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone (CAS 67-64-1)</td>
<td>STEL</td>
<td>500 ppm</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>250 ppm</td>
</tr>
<tr>
<td>Ethyl Alcohol (CAS 64-17-5)</td>
<td>STEL</td>
<td>1000 ppm</td>
</tr>
<tr>
<td>n-Propyl Alcohol (CAS 71-23-8)</td>
<td>TWA</td>
<td>100 ppm</td>
</tr>
</tbody>
</table>

**US. NIOSH: Pocket Guide to Chemical Hazards**

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone (CAS 67-64-1)</td>
<td>TWA</td>
<td>590 mg/m3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>250 ppm</td>
</tr>
<tr>
<td>Ethyl Alcohol (CAS 64-17-5)</td>
<td>TWA</td>
<td>1900 mg/m3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1000 ppm</td>
</tr>
<tr>
<td>n-Propyl Alcohol (CAS 71-23-8)</td>
<td>STEL</td>
<td>625 mg/m3</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>250 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>500 mg/m3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>200 ppm</td>
</tr>
</tbody>
</table>

**Biological limit values**

<table>
<thead>
<tr>
<th>ACGIH Biological Exposure Indices Components</th>
<th>Value</th>
<th>Determinant</th>
<th>Specimen</th>
<th>Sampling Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone (CAS 67-64-1)</td>
<td>25 mg/l</td>
<td>Acetone</td>
<td>Urine</td>
<td>*</td>
</tr>
</tbody>
</table>

* - For sampling details, please see the source document.

**Exposure guidelines**

- **US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants**
  - N-PROPYL ALCOHOL (CAS 71-23-8) Can be absorbed through the skin.

- **US. Minnesota Hazardous Substances List (Minn. Rules 5206.0400).**
  - n-Propyl Alcohol (CAS 71-23-8) Skin designation applies.

- **US. NIOSH: Pocket Guide to Chemical Hazards**
  - n-Propyl Alcohol (CAS 71-23-8) Can be absorbed through the skin.

**Appropriate engineering controls**

- Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.
- Explosion proof exhaust ventilation should be used.

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

- **Eye/face protection**
  - Wear eye/face protection.

- **Skin protection**
  - **Hand protection**
    - Recommended gloves: Nitrile 6 mil minimum thickness.
  - **Other**
    - The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

- **Respiratory protection**
  - Use a positive-pressure air-supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air-purifying respirators may not provide adequate protection.

- **Thermal hazards**
  - Not available.

**9. Physical and chemical properties**

**Appearance**

- **Physical state**
  - Liquid.
- **Form**
  - Not available.
- **Color**
  - Black.
- **Odor**
  - Not available.

**Odor threshold**

- Not available.

**pH**

- Not available.

**Melting point/freezing point**

- Not available.

**Initial boiling point and boiling range**

- 173.3 °F (78.5 °C)

**Flash point**

- < 41.0 °F (< 5.0 °C) Cleveland 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
- 0 hPa @ 20°C

### Vapor density
- 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**
  - < 743 g/L

### 10. Stability and reactivity
- **Reactivity**
  - Not available.

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

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

### Conditions to avoid
- No information available.

### Incompatible materials
- Not available.

### Hazardous decomposition products
- Decomposition of this product may yield metallic oxides. Carbon monoxide and carbon dioxide. Hydrogen fluoride.

### 11. Toxicological information

#### Information on likely routes of exposure
- **Inhalation**
  - Inhalation may result in mild irritation to the respiratory system.
- **Skin contact**
  - Contact with skin may result in mild irritation.
- **Eye contact**
  - Causes serious eye damage.
- **Ingestion**
  - 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.
- **Skin corrosion/irritation**
  - Based on available data, the classification criteria are not met.
- **Serious eye damage/eye irritation**
  - Causes serious eye damage.

#### Respiratory or skin sensitization
- **Respiratory sensitization**
  - Based on available data, the classification criteria are not met.
- **Skin sensitization**
  - Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity**
  - Based on available data, the classification criteria are not met.
- **Carcinogenicity**
  - Based on available data, the classification criteria are not met.

#### IARC Monographs. Overall Evaluation of Carcinogenicity
- Not listed.
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
Not regulated.

US. National Toxicology Program (NTP) Report on Carcinogens
Not listed.

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.

12. Ecological information

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

Ecotoxicity
No information available.

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl Alcohol (CAS 64-17-5)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aquatic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crustacea</td>
<td>EC50</td>
<td>Daphnia</td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
<td>Fish</td>
</tr>
<tr>
<td></td>
<td></td>
<td>9268, 48 Hours</td>
</tr>
<tr>
<td></td>
<td></td>
<td>12900, 96 Hours</td>
</tr>
</tbody>
</table>

Persistence and degradability
Not available.

Bioaccumulative potential
Not available.

Partition coefficient n-octanol / water (log Kow)
<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone</td>
<td>-0.24</td>
</tr>
<tr>
<td>Ethyl Alcohol</td>
<td>-0.31</td>
</tr>
<tr>
<td>n-Propyl Alcohol</td>
<td>0.25</td>
</tr>
</tbody>
</table>

Mobility in soil
Not available.

Other adverse effects
Not available.

13. Disposal considerations

Disposal instructions
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.

14. Transport information

DOT
<table>
<thead>
<tr>
<th>UN number</th>
<th>1210</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN proper shipping name</td>
<td>Printing Ink (Ethanol, Acetone)</td>
</tr>
<tr>
<td>Transport hazard class(es)</td>
<td>3</td>
</tr>
<tr>
<td>Class</td>
<td>3</td>
</tr>
<tr>
<td>Subsidiary risk</td>
<td>-</td>
</tr>
<tr>
<td>Packing group</td>
<td>II</td>
</tr>
<tr>
<td>Special precautions for user</td>
<td>Not available.</td>
</tr>
</tbody>
</table>

IATA
<table>
<thead>
<tr>
<th>UN number</th>
<th>1210</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN proper shipping name</td>
<td>Printing Ink (Ethanol, Acetone)</td>
</tr>
<tr>
<td>Transport hazard class(es)</td>
<td>3</td>
</tr>
<tr>
<td>Class</td>
<td>3</td>
</tr>
<tr>
<td>Subsidiary risk</td>
<td>-</td>
</tr>
<tr>
<td>Packing group</td>
<td>II</td>
</tr>
<tr>
<td>Environmental hazards</td>
<td>No.</td>
</tr>
<tr>
<td>Special precautions for user</td>
<td>Not available.</td>
</tr>
</tbody>
</table>

IMDG
<table>
<thead>
<tr>
<th>UN number</th>
<th>1210</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN number</td>
<td>1210</td>
</tr>
</tbody>
</table>

Material name: CV119Series
12488    Version #: 04    Revision date: 10-Apr-2018    Issue date: 15-Jul-2014
UN proper shipping name: Printing Ink (Ethanol, Acetone)

Transport hazard class(es):
- Class: 3
- Subsidiary risk: -

Packing group: II

Marine pollutant: No.

EmS: Not available.

Special precautions for user: Not available.

ADR

UN number: UN1210

UN proper shipping name: Printing Ink (Ethanol, Acetone)

Transport hazard class(es):
- Class: 3
- Subsidiary risk: -
- Hazard No. (ADR): Not available.
- Tunnel restriction code: Not available.

Packing group: II

Environmental hazards: No.

Special precautions for user: Not available.

ADR; IATA; IMDG

DOT

FLAMMABLE LIQUID

15. Regulatory information

US federal regulations

US EPA TSCA Inventory: All chemical substances in this product comply with all rules or orders under TSCA.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)
Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)
Acetone (CAS 67-64-1) Listed.

SARA 304 Emergency release notification
Not regulated.

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

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories
- Immediate Hazard - Yes
- Delayed Hazard - No
- Fire Hazard - Yes
- Pressure Hazard - No
- Reactivity Hazard - No
SARA 302 Extremely hazardous substance
Not listed.

SARA 311/312 Hazardous chemical
No

SARA 313 (TRI reporting)
Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List
Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)
Not regulated.

Safe Drinking Water Act (SDWA)
Not regulated.

Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and Chemical Code Number

- Acetone (CAS 67-64-1) 6532

Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))

- Acetone (CAS 67-64-1) 35 %WV

DEA Exempt Chemical Mixtures Code Number

- Acetone (CAS 67-64-1) 6532

FEMA Priority Substances Respiratory Health and Safety in the Flavor Manufacturing Workplace

- Acetone (CAS 67-64-1) Low priority
- Ethyl Alcohol (CAS 64-17-5) Low priority
- n-Propyl Alcohol (CAS 71-23-8) Low priority

US state regulations

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))

- Acetone (CAS 67-64-1)

Other information

VOC content (less water, less exempt compounds) = 743 g/L (U.S. requirement, not for emissions)

Regulatory information

The components of this product are reported in the following inventories: United States of America, European Union, Canada, Australia, Philippines, Ontario, New Zealand, Japan, Switzerland and Korea.

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

Issue date 15-Jul-2014
Revision date 10-Apr-2018
Version # 04

Other information

This SDS was prepared in accordance with USA OSHA Hazard Communications regulation (29 CFR 1910.1200).

Disclaimer

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

This safety data sheet is meant to convey information about HP inks (toners) provided in HP Original ink (toner) supplies. If our Safety Data Sheet has been provided to you with a refilled, remanufactured, compatible or other non-HP Original supply please be aware that the information contained herein was not meant to convey information about such products and there could be considerable differences from information in this document and the safety information for the product you purchased. Please contact the seller of the refilled, remanufactured or compatible supplies for applicable information, including information on personal protective equipment, exposure risks and safe handling guidance. HP does not accept refilled, remanufactured or compatible supplies in our recycling programs.
Hazard(s) identification: Storage
Composition / Information on Ingredients: Ingredients
Toxicological information: Eye contact
Toxicological information: Ingestion
Toxicological information: Inhalation
Toxicological information: Skin contact
Other information, including date of preparation or last revision: Disclaimer
GHS: Classification

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