1. Identification

Product identifier: HP ElectroInk Calibration Cartridge White for series 4000 Q4172A

Other means of identification
- Synonyms: Part Number Q4172A

Recommended use: HP product for use with HP Indigo Digital Presses series 4000

Recommended restrictions: None known.

Manufacturer/Importer/Supplier/Distributor information
- 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: The mixture does not meet the criteria for classification.

Precautionary statement
- Prevention: Not available.
- Response: Not available.
- Storage: Not available.
- Disposal: Not available.

Hazard(s) not otherwise classified (HNOC): None known.

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>Petroleum hydrocarbon</td>
<td></td>
<td>90622-58-5</td>
<td>&lt;70</td>
</tr>
<tr>
<td>C.I.P.W 6 No. 77891</td>
<td></td>
<td>13463-67-7</td>
<td>&lt;20</td>
</tr>
<tr>
<td>Trade Secret</td>
<td>Proprietary</td>
<td></td>
<td>&lt;15</td>
</tr>
</tbody>
</table>

Material name: Q4172A
Version #: 04  Revision date: 12-Dec-2018  Issue date: 27-Jun-2014
Composition comments
This product has been evaluated using criteria specified in 29 CFR 1910.1200 (Hazard Communication Standard).

Titanium dioxide is present only in a bound form in this preparation.

4. First-aid measures

Inhalation
If overcome by vapor, remove person from exposure to fresh air. If breathing is difficult, give oxygen. 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. Do not apply neutralizing agents.

Ingestion
Do not induce vomiting. Never give anything by mouth to an unconscious person. 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
Suitable extinguishing media: Dry chemical, CO2, water spray or regular foam.

Unsuitable extinguishing media
None known.

Specific hazards arising from the chemical
None known.

Special protective equipment and precautions for firefighters
Not available.

Fire fighting equipment/instructions
Move containers from fire area if you can do it without risk. Evacuate area and fight fire from a safe distance.

6. Accidental release measures

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

Methods and materials for containment and cleaning up
Not available.

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 prolonged or repeated skin contact with this material. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges.

Conditions for safe storage, including any incompatibilities
Keep away from excessive heat or cold. Store in a cool and shaded area. Do not store in direct sunlight.

8. Exposure controls/personal protection

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

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>C.I.P.W 6 No. 77891 (CAS 13463-67-7)</td>
<td>PEL</td>
<td>15 mg/m3</td>
<td>Total dust.</td>
</tr>
</tbody>
</table>

ACGIH

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>TRADE SECRET</td>
<td>STEL</td>
<td>143 mg/m3</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>3 mg/m3</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>C.I.P. W 6 No. 77891 (CAS 13463-67-7)</td>
<td>TWA</td>
<td>10 mg/m³</td>
</tr>
</tbody>
</table>

#### Biological limit values

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

#### Exposure guidelines

Manufacturer recommended exposure limit based on petroleum hydrocarbon at > 70%. TWA = 171ppm (1200 mg/m³).

#### 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
- **Physical state**: Solid.
- **Form**: Not available.
- **Color**: White.

#### Odor
- **Odor threshold**: Not available.
- **pH**: Not available.

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

#### Initial boiling point and boiling range
- **Initial boiling point and boiling range**: 370.4 °F (188 °C) (based on petroleum hydrocarbon)

#### Flash point
- **Flash point**: Not available.

#### Evaporation rate
- **Evaporation rate**: Not available.

#### Flammability (solid, gas)
- **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
- **Vapor pressure**: Not available.

#### Vapor density
- **Vapor density**: Not available.

#### Solubility(ies)
- **Solubility (water)**: Not soluble

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

#### Auto-ignition temperature
- **Auto-ignition temperature**: Not available.

#### Decomposition temperature
- **Decomposition temperature**: Not available.

#### Viscosity
- **Viscosity**: Not available.

#### Other information
- **Oxidizing properties**: Not determined
- **Specific gravity**: 0.91
- **VOC**: 620 g/l (5.18 lbs/gal.US)
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 This product may react with strong oxidizing agents.
Hazardous decomposition products Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

11. Toxicological information

Information on likely routes of exposure
- Inhalation Under normal conditions of intended use, this material is not expected to be an inhalation hazard.
- Skin contact Contact with skin may result in mild irritation.
- Eye contact Contact with eyes may result in mild irritation.
- Ingestion Ingestion is not a likely route of exposure. 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
- Acute toxicity Based on available data, the classification criteria are not met.
- Skin corrosion/irritation Not classified.
- Serious eye damage/eye irritation Not classified.
- Respiratory or skin sensitization
  - Respiratory sensitization Not classified.
  - Skin sensitization Not classified.
- Germ cell mutagenicity Not classified.
- Carcinogenicity Not classified.

IARC Monographs. Overall Evaluation of Carcinogenicity
C.I.P.W 6 No. 77891 (CAS 13463-67-7) 2B Possibly carcinogenic to humans.

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

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

Reproductive toxicity Not classified.
Specific target organ toxicity - single exposure Not classified.
Specific target organ toxicity - repeated exposure Not classified.
Aspiration hazard Not classified.
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 ecotoxicity data noted for the ingredient(s).
Persistence and degradability Not available.
Bioaccumulative potential Not available.
Mobility in soil Not available.
Other adverse effects Not available.
13. Disposal considerations

Dispose of in compliance with federal, state, and local regulations.

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

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories
Immediate Hazard - No
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

SARA 302 Extremely hazardous substance
Not listed.

SARA 311/312 Hazardous chemical
No

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.

US state regulations

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance
TITANIUM DIOXIDE (AIRBORNE, UNBOUND PARTICLES OF RESPIRABLE SIZE) (CAS 13463-67-7)
Listed: September 2, 2011

C.I.P.W 6 No. 77891 (CAS 13463-67-7)

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

Issue date: 27-Jun-2014
Revision date: 12-Dec-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.

Revision information: Composition / Information on Ingredients: Ingredients
                      Toxicological information: Eye contact
                      Toxicological information: Ingestion
                      Toxicological information: Inhalation
                      Toxicological information: Skin contact
                      Regulatory information: Other information
                      Regulatory information: Regulatory information

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