1. Identification

Important information
*** 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. ***

Product identifier
HP Indigo ElectroInk White for use with HP Indigo Digital Press 5000, 5500
Q4148A

Other means of identification
Synonyms
Part Number Q4148A

Recommended use
Printing ink for use with HP Indigo Digital Presses 5000, 5500.

Recommended restrictions
None known.

Manufacturer/Importer/Supplier/Distributor information
HP Inc.
1501 Page Mill Road
Palo Alto, CA 94304-1112
United States
650-857-1501

Telephone
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)
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>Alkanes C11-15 iso</td>
<td></td>
<td>90622-58-5</td>
<td>&lt;70</td>
</tr>
</tbody>
</table>

Material name: Q4148A

12047 Version #: 09 Revision date: 01-Mar-2021 Issue date: 27-Jun-2014
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.

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**

<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>
<tr>
<td>ACGIH Components</td>
<td>Type</td>
<td>Value</td>
<td></td>
</tr>
<tr>
<td>Trade Secret</td>
<td>STEL</td>
<td>143 mg/m3</td>
<td></td>
</tr>
</tbody>
</table>
9. Physical and chemical properties

Appearance
- Paste
Physical state
- Solid
Form
- Not available
Color
- White

Odor
- mild hydrocarbon-like

Odor threshold
- Not available

pH
- Not available

Melting point/freezing point
- Not available

Initial boiling point and boiling range
- Not available

Flash point
- Not available

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

Vapor density
- Not available

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

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

Auto-ignition temperature
- Not available

Decomposition temperature
- Not available

Viscosity
- Not available

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.
Other information

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oxidizing properties</td>
<td>Not determined</td>
</tr>
<tr>
<td>Specific gravity</td>
<td>0.909</td>
</tr>
<tr>
<td>VOC</td>
<td>620 g/L (5.18 lbs/gal, US)</td>
</tr>
</tbody>
</table>

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 1910.1001-1053)

Not listed.

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).
13. Disposal considerations
Disposal instructions
Dispose of in compliance with federal, state, and local regulations.

14. Transport information

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

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

IMDG
- UN number
- Not available.
- UN proper shipping name
- Not Regulated.
- Transport hazard class(es)
- Class
- Not available.
- Subsidiary risk
- -
- Packing group
- Not available.
- Environmental hazards
- No.
- 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
Transport in bulk according to Annex II of MARPOL73/78 and the IBC code: Not applicable.
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.
Toxic Substances Control Act (TSCA)

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 1910.1001-1053)
Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance
Not listed.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List
No intentionally added HAP substances.

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

Safe Drinking Water Act (SDWA)

US state regulations

California Proposition 65

California Proposition 65 - CRT: Listed date/Carcinogenic substance

US. California. Candidate Chemicals List: Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))
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 01-Mar-2021
Version # 09

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

Disclaimer
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## Explanation of abbreviations

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</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>