SAFETY DATA SHEET

1. Identification

Product identifier
HP ElectroInk Brown 007 for W7200 press Q4173A

Other means of identification
Synonyms
Part Number Q4173A

Recommended use
HP product for use with HP Indigo Digital Presses W7200.

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;80</td>
</tr>
<tr>
<td>Trade secret*</td>
<td></td>
<td>Proprietary*</td>
<td>&lt;15</td>
</tr>
<tr>
<td>C.I.P.O. 64 No.12760</td>
<td></td>
<td>72102-84-2</td>
<td>&lt;2.5</td>
</tr>
<tr>
<td>C.I.P.B 7 No. 77266</td>
<td></td>
<td>1333-86-4</td>
<td>&lt;1</td>
</tr>
</tbody>
</table>

Material name: Q4173A

SDS US 12743 Version #: 04 Revision date: 12-Dec-2018 Issue date: 01-Jun-2014
Chemical name: Fluoropolymer resin

Composition comments:
Carbon black is present only in a bound form in this preparation.
This product has been evaluated using criteria specified in 29 CFR 1910.1200 (Hazard Communication Standard).

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.

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>C.I.P.B 7 No. 77266 (CAS 1333-86-4)</td>
<td>PEL</td>
<td>3.5 mg/m3</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>TRADE SECRET</td>
<td>TWA</td>
<td>3 mg/m3</td>
</tr>
</tbody>
</table>

Material name: Q4173A
Version #: 04 Revision date: 12-Dec-2018 Issue date: 01-Jun-2014

SDS US 12743 2 / 7
### US. ACGIH Threshold Limit Values

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>C.I.P.B 7 No. 77266 (CAS 1333-86-4)</td>
<td>TWA</td>
<td>3 mg/m³</td>
<td>Inhalable fraction.</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>C.I.P.B 7 No. 77266 (CAS 1333-86-4)</td>
<td>TWA</td>
<td>0.1 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 > 75%. TWA = 171 ppm (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
- **Paste**

#### Physical state
- Solid.

#### Form
- Not available.

#### Color
- Brown.

#### 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.
Other information

Oxidizing properties  Not applicable.
Specific gravity  0.83
VOC  650 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  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.

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>C.I.P.B 7 No. 77266 (CAS 1333-86-4)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acute</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oral</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rat</td>
<td>&gt; 10000 mg/kg</td>
</tr>
<tr>
<td>C.I.P.O. 64 No. 12760 (CAS 72102-84-2)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acute</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oral</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rat</td>
<td>&gt;= 5000 mg/kg</td>
</tr>
</tbody>
</table>

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.B 7 No. 77266 (CAS 1333-86-4)  2B Possibly carcinogenic to humans.
Fluoropolymer resin (CAS 9002-84-0)  3 Not classifiable as to carcinogenicity 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
Disposal instructions
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.

TSCA Chemical Action Plans, Chemicals of Concern
Fluoropolymer resin (CAS 9002-84-0) Long-Chain Perfluorinated Chemicals (PFCs) Action Plan
Not listed.

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

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
CARBON BLACK (AIRBORNE, UNBOUND PARTICLES OF RESPIRABLE SIZE [<= 10 MICROMETERS]) (CAS 1333-86-4)
Listed: February 21, 2003
US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))
C.I.P.B 7 No. 77266 (CAS 1333-86-4)

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 01-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