1. Identification

Product identifier: HP ElectroInk Mark 3.2 Black
MPS-3131-42

Other means of identification
- Synonyms: Part Number MPS-3131-42

Recommended use: For use with HP Indigo Press series 3000, 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)
- Carbon black in this preparation, due to its bound form, does not present this carcinogenic risk.

None of the other ingredients in this preparation are classified as carcinogens according to ACGIH, EU, IARC, MAK, 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>Petroleum hydrocarbon</td>
<td></td>
<td>90622-58-5</td>
<td>&lt;80</td>
</tr>
<tr>
<td>Trade secret*</td>
<td>Proprietary*</td>
<td></td>
<td>&lt;15</td>
</tr>
<tr>
<td>C.I.P.B 7 No. 77266</td>
<td></td>
<td>1333-86-4</td>
<td>&lt;5</td>
</tr>
</tbody>
</table>

Material name: MPS-3131-42
SDS US
10173 Version #: 04 Revision date: 06-Dec-2018 Issue date: 04-Jun-2014
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>
</tbody>
</table>
ACGIH Components | Type | Value
--- | --- | ---
US. ACGIH Threshold Limit Values Components | TWA | 3 mg/m³

US. NIOSH: Pocket Guide to Chemical Hazards Components | Type | Value
--- | --- | ---
C.I.P.B 7 No. 77266 (CAS 1333-86-4) | TWA | 0.1 mg/m³

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
Black.

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
Decomposition temperature
Viscosity
Other information
  Oxidizing properties
  Specific gravity
  VOC

Not available.
Not available.
Not available.
Not applicable.
0.86
655 g/L

10. Stability and reactivity
Reactivity
Chemical stability
Possibility of hazardous reactions
Conditions to avoid
Incompatible materials
Hazardous decomposition products

Not available.
Stable under recommended storage conditions.
Will not occur.
Not available.
This product may react with strong oxidizing agents.
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
Skin contact
Eye contact
Ingestion
Symptoms related to the physical, chemical and toxicological characteristics

Under normal conditions of intended use, this material is not expected to be an inhalation hazard.
Contact with skin may result in mild irritation.
Contact with eyes may result in mild irritation.
Ingestion is not a likely route of exposure. Health injuries are not known or expected under normal use.
Not available.

Information on toxicological effects
Acute toxicity
Components
Species
Test Results

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

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
</tr>
</thead>
<tbody>
<tr>
<td>C.I.P.B 7 No. 77266 (CAS 1333-86-4)</td>
<td>Rat</td>
</tr>
<tr>
<td>Acute Oral LD50</td>
<td>&gt; 10000 mg/kg</td>
</tr>
<tr>
<td>C.I.P.B. 61 No. 42765:1 (CAS 1324-76-1)</td>
<td>Rat</td>
</tr>
<tr>
<td>Acute Oral LD50</td>
<td>&gt;= 2000 mg/kg</td>
</tr>
</tbody>
</table>

Skin corrosion/irritation
Serious eye damage/eye irritation
Respiratory or skin sensitization
  Respiratory sensitization
  Skin sensitization
Germ cell mutagenicity
Carcinogenicity

Not classified.
Not classified.
Not classified.
Carbon black is classified as a carcinogen by the IARC (possibly carcinogenic to humans, Group 2B) and by the State of California under Proposition 65. In their evaluations of carbon black, both organizations indicate that exposure to carbon black, per se, does not occur when it remains bound within a product matrix, specifically, rubber, ink, or paint. Carbon black is present only in a bound form in this preparation.

IARC Monographs. Overall Evaluation of Carcinogenicity

<table>
<thead>
<tr>
<th>IARC Monographs</th>
<th>Carcinogenicity</th>
</tr>
</thead>
<tbody>
<tr>
<td>C.I.P.B 7 No. 77266 (CAS 1333-86-4)</td>
<td>2B Possibly carcinogenic to humans.</td>
</tr>
<tr>
<td>Fluoropolymer resin (CAS 9002-84-0)</td>
<td>3 Not classifiable as to carcinogenicity to humans.</td>
</tr>
</tbody>
</table>
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 Chemical Action Plans, Chemicals of Concern: Fluoropolymer resin (CAS 9002-84-0) Long-Chain Perfluorinated Chemicals (PFCs) Action Plan
  - SARA 304 Emergency release notification: 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**
  - 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**
- 04-Jun-2014

**Revision date**
- 06-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**
- 3. Composition / Information on Ingredients: Disclosure Overrides
- 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