Safety Data Sheet

Table of contents


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**

E5Z01Series[C][3]

**Other means of identification**

None.

**Recommended use**

Inkjet printing

**Recommended restrictions**

None known.

**Manufacturer/Importer/Supplier/Distributor information**

HP Inc.
1501 Page Mill Road
Palo Alto, CA 94304-1112
United States

Telephone

650-857-1501

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)**

Potential routes of overexposure to this product are skin and eye contact. Inhalation of vapor and ingestion are not expected to be significant routes of exposure for this product under normal use conditions.

Complete toxicity data are not available for this specific formulation.

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>Water</td>
<td></td>
<td>7732-18-5</td>
<td>70-95</td>
</tr>
</tbody>
</table>

Material name: E5Z01Series[C][3]  
SDS US  
2013  Version #: 07  Revision date: 23-Apr-2020  Issue date: 29-Jan-2015
**Chemical name** | **Common name and synonyms** | **CAS number** | **%**
---|---|---|---
Copper phthalocyanine direct dye salt* | Proprietary* | <5
Magnesium nitrate hexahydrate* | Proprietary* | <2.5

**Composition comments**
This ink supply contains an aqueous ink formulation. This product has been evaluated using criteria specified in 29 CFR 1910.1200 (Hazard Communication Standard).

*Proprietary

**4. First-aid measures**

**Inhalation**
Remove to fresh air. 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.

**Ingestion**
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**
Dry chemical, CO2, water spray or regular foam.

**Unsuitable extinguishing media**
None known.

**Specific hazards arising from the chemical**
Not applicable.

**Special protective equipment and precautions for firefighters**
Not available.

**Specific methods**
None established.

**6. Accidental release measures**

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

**Methods and materials for containment and cleaning up**
Dike the spilled material, where this is possible. Absorb with inert absorbent such as dry clay, sand or diatomaceous earth, commercial sorbents, or recover using pumps.

**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 contact with skin, eyes and clothing.

**Conditions for safe storage, including any incompatibilities**
Keep out of the reach of children. Keep away from excessive heat or cold.

**8. Exposure controls/personal protection**

**Biological limit values**
No biological exposure limits noted for the ingredient(s).

**Exposure guidelines**
Exposure limits have not been established for this product.

**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: Liquid.
- Form: Not available.
- Color: Cyan
- Odor: Not available.
- Odor threshold: Not available.
- pH: 8 - 8.4
- Melting point/freezing point: Not available.
- Initial boiling point and boiling range: Not determined
- Flash point: > 200.0 °F (> 93.3 °C) Pensky-Martens Closed Cup
- Evaporation rate: Not determined
- 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 determined
- Vapor density: >= 1 (air = 1.0)

Solubility(ies)
- Solubility (water): Soluble in water
- Partition coefficient (n-octanol/water): Not available.

Auto-ignition temperature: Not available.
- Decomposition temperature: Not available.
- Viscosity: <= 2 cp

Other information
- For other VOC regulatory data/information see Section 15.
- Oxidizing properties: Not determined
- VOC: < 171 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: Incompatible with strong bases and oxidizing agents.
- Hazardous decomposition products: Upon decomposition, this product may yield gaseous nitrogen oxides, 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: 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

<table>
<thead>
<tr>
<th>Effect</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Acute toxicity</strong></td>
<td>Based on available data, the classification criteria are not met.</td>
</tr>
<tr>
<td><strong>Skin corrosion/irritation</strong></td>
<td>Based on available data, the classification criteria are not met. Non irritant in rabbit (OECD 404)</td>
</tr>
<tr>
<td><strong>Serious eye damage/eye irritation</strong></td>
<td>Based on available data, the classification criteria are not met. Not classified as an irritant according to, Rabbit Enucleated Eye Test.</td>
</tr>
<tr>
<td><strong>Respiratory or skin sensitization</strong></td>
<td>Based on available data, the classification criteria are not met. Respiratory sensitization, Skin sensitization, Germ cell mutagenicity</td>
</tr>
<tr>
<td><strong>Carcinogenicity</strong></td>
<td>Based on available data, the classification criteria are not met. IARC Monographs. Overall Evaluation of Carcinogenicity Not listed. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053) Not listed. 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.</td>
</tr>
</tbody>
</table>

### 12. Ecological information

<table>
<thead>
<tr>
<th>Effect</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Aquatic toxicity</strong></td>
<td>This product has not been tested for ecological effects.</td>
</tr>
<tr>
<td><strong>Ecotoxicity</strong></td>
<td>No ecotoxicity data noted for the ingredient(s).</td>
</tr>
<tr>
<td><strong>Persistence and degradability</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Bioaccumulative potential</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Mobility in soil</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Other adverse effects</strong></td>
<td>Not available.</td>
</tr>
</tbody>
</table>

### 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.

HP's Planet Partners (trademark) supplies recycling program enables simple, convenient recycling of HP original inkjet and LaserJet supplies. For more information and to determine if this service is available in your location, please visit http://www.hp.com/recycle.

### 14. Transport information

<table>
<thead>
<tr>
<th>DOT</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>UN number</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>UN proper shipping name</strong></td>
<td>Not Regulated</td>
</tr>
<tr>
<td><strong>Transport hazard class(es)</strong></td>
<td>Not available. Class</td>
</tr>
<tr>
<td><strong>Subsidiary risk</strong></td>
<td>-</td>
</tr>
<tr>
<td><strong>Packing group</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Environmental hazards</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Marine pollutant</strong></td>
<td>No</td>
</tr>
</tbody>
</table>
15. Regulatory information

US federal regulations

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.
  Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)
- 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.

Other information
VOC content (less water, less exempt compounds) = 611 g/L (U.S. requirement, not for emissions)
VOC data based on formulation (Organic compounds minus solids)

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 29-Jan-2015
Revision date 23-Apr-2020
Version # 07
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.

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>
1. Identification

Important information
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Product identifier
E5Z01Series[M][3]

Other means of identification
None.

Recommended use
Inkjet printing

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

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)
Potential routes of overexposure to this product are skin and eye contact.
Inhalation of vapor and ingestion are not expected to be significant routes of exposure for this product under normal use conditions.

Complete toxicity data are not available for this specific formulation.

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>Water</td>
<td>7732-18-5</td>
<td>65-90</td>
<td></td>
</tr>
</tbody>
</table>

Material name: E5Z01Series[M][3]
### 4. First-aid measures

**Inhalation**
Remove to fresh air. 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.

**Ingestion**
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**
Dry chemical, CO₂, water spray or regular foam.

**Unsuitable extinguishing media**
None known.

**Specific hazards arising from the chemical**
Not applicable.

**Special protective equipment and precautions for firefighters**
None established.

### 6. Accidental release measures

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

**Methods and materials for containment and cleaning up**
Dike the spilled material, where this is possible. Absorb with inert absorbent such as dry clay, sand or diatomaceous earth, commercial sorbents, or recover using pumps.

**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 contact with skin, eyes and clothing.

**Conditions for safe storage, including any incompatibilities**
Keep out of the reach of children. Keep away from excessive heat or cold.

### 8. Exposure controls/personal protection

**Biological limit values**
No biological exposure limits noted for the ingredient(s).

**Exposure guidelines**
Exposure limits have not been established for this product.

**Appropriate engineering controls**
Use in a well ventilated area.

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

- **Eye/face protection**
  Not available.

- **Skin protection**
  Not available.

  - **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: Liquid.
- Form: Not available.
- Color: Magenta
- Odor: Not available.
- Odor threshold: Not available.

pH
- 8 - 8.4

Melting point/freezing point
- Not available.

Initial boiling point and boiling range
- Not determined

Flash point
- > 200.0 °F (> 93.3 °C) Pensky-Martens Closed Cup

Evaporation rate
- Not determined

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 determined

Vapor density
- >= 1 (air = 1.0)

Solubility(ies)
- Solubility (water): Soluble in water
- Partition coefficient (n-octanol/water): Not available.

Auto-ignition temperature
- Not available.

Decomposition temperature
- Not available.

Viscosity
- <= 2 cp

Other information
- For other VOC regulatory data/information see Section 15.
- Oxidizing properties: Not determined
- VOC: < 172 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
- Incompatible with strong bases and oxidizing agents.

Hazardous decomposition products
- Upon decomposition, this product may yield gaseous nitrogen oxides, 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: Health injuries are not known or expected under normal use.
Symptoms related to the physical, chemical and toxicological characteristics

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. Non irritant in rabbit (OECD 404)

Serious eye damage/eye irritation
Based on available data, the classification criteria are not met. Not classified as an irritant according to, Rabbit Enucleated Eye Test.

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

IARC Monographs. Overall Evaluation of Carcinogenicity
Not listed.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)
Not listed.

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 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
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.

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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.
Transport hazard class(es)
Marine pollutant
No
EmS
Not available.
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
Not a dangerous good under DOT, IATA, ADR, IMDG, or RID.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC code: Not applicable.

15. Regulatory information

US federal regulations
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
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.
VOC content (less water, less exempt compounds) = 572 g/L (U.S. requirement, not for emissions)
VOC data based on formulation (Organic compounds minus solids)

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: 29-Jan-2015
Revision date: 23-Apr-2020
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

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
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 E5Z01Series[Y][3]

Other means of identification None.

Recommended use Inkjet printing

Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

HP Inc.
1501 Page Mill Road
Palo Alto, CA 94304-1112
United States

Telephone 650-857-1501

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) Potential routes of overexposure to this product are skin and eye contact. Inhalation of vapor and ingestion are not expected to be significant routes of exposure for this product under normal use conditions. Complete toxicity data are not available for this specific formulation.

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>Water</td>
<td></td>
<td>7732-18-5</td>
<td>65-90</td>
</tr>
</tbody>
</table>

Material name: E5Z01Series[Y][3]
<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Common name and synonyms</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proprietary<em>Hydroxy alkylated lactam</em></td>
<td>&lt;7.5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Proprietary<em>Yellow colorant</em></td>
<td>&lt; 7.5</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Composition comments**

This ink supply contains an aqueous ink formulation.  
This product has been evaluated using criteria specified in 29 CFR 1910.1200 (Hazard Communication Standard).

*Proprietary

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### 4. First-aid measures

- **Inhalation**
  Remove to fresh air. 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.

- **Ingestion**
  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**
  Dry chemical, CO2, water spray or regular foam.

- **Unsuitable extinguishing media**
  None known.

- **Specific hazards arising from the chemical**
  Not applicable.

- **Special protective equipment and precautions for firefighters**
  Not available.

- **Specific methods**
  None established.

---

### 6. Accidental release measures

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

- **Methods and materials for containment and cleaning up**
  Dike the spilled material, where this is possible. Absorb with inert absorbent such as dry clay, sand or diatomaceous earth, commercial sorbents, or recover using pumps.

- **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 contact with skin, eyes and clothing.

- **Conditions for safe storage, including any incompatibilities**
  Keep out of the reach of children. Keep away from excessive heat or cold.

---

### 8. Exposure controls/personal protection

- **Biological limit values**
  No biological exposure limits noted for the ingredient(s).

- **Exposure guidelines**
  Exposure limits have not been established for this product.

- **Appropriate engineering controls**
  Use in a well ventilated area.

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

  - **Eye/face protection**
    Not available.

  - **Skin protection**
    Not available.

  - **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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Liquid</td>
</tr>
<tr>
<td>Physical state</td>
<td>Not available</td>
</tr>
<tr>
<td>Form</td>
<td>Not available</td>
</tr>
<tr>
<td>Color</td>
<td>Yellow</td>
</tr>
<tr>
<td>Odor</td>
<td>Not available</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>Not available</td>
</tr>
<tr>
<td>pH</td>
<td>8 - 8.4</td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>Not available</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>Not determined</td>
</tr>
<tr>
<td>Flash point</td>
<td>&gt; 200.0 °F (&gt; 93.3 °C) Pensky-Martens Closed Cup</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not determined</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not available</td>
</tr>
<tr>
<td>Upper/lower flammability or explosive limits</td>
<td></td>
</tr>
<tr>
<td>Flammability limit - lower (%)</td>
<td>Not available</td>
</tr>
<tr>
<td>Flammability limit - upper (%)</td>
<td>Not available</td>
</tr>
<tr>
<td>Explosive limit - lower (%)</td>
<td>Not available</td>
</tr>
<tr>
<td>Explosive limit - upper (%)</td>
<td>Not available</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>Not determined</td>
</tr>
<tr>
<td>Vapor density</td>
<td>&gt;= 1 (air = 1.0)</td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td></td>
</tr>
<tr>
<td>Solubility (water)</td>
<td>Soluble in water</td>
</tr>
<tr>
<td>Partition coefficient (n-octanol/water)</td>
<td>Not available</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>Not available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>Not available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>&lt;= 2 cp</td>
</tr>
<tr>
<td>Other information</td>
<td></td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>Not determined</td>
</tr>
<tr>
<td>VOC</td>
<td>&lt; 172 g/L</td>
</tr>
</tbody>
</table>

### 10. Stability and reactivity

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reactivity</td>
<td>Not available</td>
</tr>
<tr>
<td>Chemical stability</td>
<td>Stable under recommended storage conditions.</td>
</tr>
<tr>
<td>Possibility of hazardous reactions</td>
<td>Will not occur.</td>
</tr>
<tr>
<td>Conditions to avoid</td>
<td>Not available</td>
</tr>
<tr>
<td>Incompatible materials</td>
<td>Incompatible with strong bases and oxidizing agents.</td>
</tr>
<tr>
<td>Hazardous decomposition products</td>
<td>Upon decomposition, this product may yield gaseous nitrogen oxides, carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.</td>
</tr>
</tbody>
</table>

### 11. Toxicological information

<table>
<thead>
<tr>
<th>Exposure route</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalation</td>
<td>Under normal conditions of intended use, this material is not expected to be an inhalation hazard.</td>
</tr>
<tr>
<td>Skin contact</td>
<td>Contact with skin may result in mild irritation.</td>
</tr>
<tr>
<td>Eye contact</td>
<td>Contact with eyes may result in mild irritation.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>Health injuries are not known or expected under normal use.</td>
</tr>
</tbody>
</table>
Symptoms related to the physical, chemical and toxicological characteristics

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. Non irritant in rabbit (OECD 404)

Serious eye damage/eye irritation Not classified as an irritant according to, Rabbit Enucleated Eye Test.

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

IARC Monographs. Overall Evaluation of Carcinogenicity Not listed.


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 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 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. HP’s Planet Partners (trademark) supplies recycling program enables simple, convenient recycling of HP original inkjet and LaserJet supplies. For more information and to determine if this service is available in your location, please visit http://www.hp.com/recycle.

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 Not available.

Marine pollutant No
15. Regulatory information

**US federal regulations**

**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.

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**
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.

Other information VOC content (less water, less exempt compounds) = 572 g/L (U.S. requirement, not for emissions)
VOC data based on formulation (Organic compounds minus solids)

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 29-Jan-2015
Revision date 23-Apr-2020
Version # 09

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

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.

Revision information 1. Product and Company Identification: Alternate Trade Names

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
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