MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Identification of the substance/preparation
53462 Magenta Pigment

Use of the substance/preparation
Inkjet printing

Issue date
23-Feb-2023

Version #
01

CAS #
Mixture

Company identification
Primera Technology
Two Carlson Parkway North
Suite 375
Plymouth, MN 55447

Health effects line
(Toll-free within the US) 1-800-457-4209
(Direct) 1-760-710-0048
Customer Care Line
(Toll-free within the US) 1-800-474-6836
(Direct) 1-208-323-2551
Email: support@primera.com

2. HAZARDS IDENTIFICATION

GHS label elements
Signal word
None.

Hazard symbols
None.

Hazard statement
None.

Precautionary statement
Prevention
None.

Response
None.

Storage
None.

Disposal
None.

Physical hazards
Not classified as a physical hazard.

Health hazards
Not classified as a health hazard.

Environmental hazards
Not classified as an environmental hazard.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS #</th>
<th>Percent</th>
<th>EC-No.</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>70-80</td>
<td>231-791-2</td>
<td></td>
</tr>
<tr>
<td>1-(2-hydroxyethyl)-2-pyrrolidone</td>
<td>3445-11-2</td>
<td>&lt; 10</td>
<td>222-359-4</td>
<td></td>
</tr>
<tr>
<td>2-pyrrolidone</td>
<td>616-45-5</td>
<td>&lt; 7.5</td>
<td>210-483-1</td>
<td>Xi; R36</td>
</tr>
<tr>
<td>Aliphatic diol</td>
<td>Proprietary</td>
<td>&lt; 5</td>
<td>Proprietary</td>
<td></td>
</tr>
<tr>
<td>Magenta colorant</td>
<td>Proprietary</td>
<td>&lt; 1</td>
<td>Proprietary</td>
<td></td>
</tr>
</tbody>
</table>

Composition comments
This ink supply contains an aqueous ink formulation.

For the full text of the R phrases mentioned in this Section, see Section 16.
4. FIRST AID MEASURES

Inhalation: Move 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.

General advice: Wash affected areas thoroughly with mild soap and water.

5. FIRE-FIGHTING MEASURES

Flash point: > 212.0 °F (> 100.0 °C) Pensky-Martens Closed Cup US EPA Method 1020

Suitable extinguishing media: Dry chemical, CO2, water spray or regular foam.

Extinguishing media which must not be used for safety reasons: None known.

Unusual fire & explosion hazards: None known.

Specific methods: None established.

Hazardous combustion products: Refer to section 10.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear appropriate personal protective equipment.

Environmental precautions: Do not let product enter drains. Do not flush into surface water or sanitary sewer system.

7. HANDLING AND STORAGE

Handling: Avoid contact with skin, eyes and clothing.

Storage: Keep out of the reach of children. Keep away from excessive heat or cold.

8. EXPOSURE CONTROLS/PERSO,AL PROTECTION

Occupational exposure limits: No exposure limits noted for ingredient(s).

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

Recommended monitoring procedures: Exposure limits have not been established for this product.

Engineering measures to reduce exposure: Use in a well ventilated area.

Personal protective equipment:

Skin and body protection: Not available.

General: Use personal protective equipment to minimize exposure to skin and eye.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Physical state: Liquid.

Color: Magenta

Odor: Not available.

pH: 8.5 - 9.5

Melting point/Freezing point: Not available.

Boiling point, initial boiling point, and boiling range: Not available.

Flash point: > 212.0 °F (> 100.0 °C) Pensky-Martens Closed Cup US EPA Method 1020

Auto-ignition temperature: Not available.

Flammability limit - lower (%): Not available.
Flammability limit - upper (%)
Vapor pressure
Specific gravity
Solubility(ies)
Solubility (water)
Partition coefficient (n-octanol/water)
Decomposition temperature
Viscosity
Other data
VOC (Weight %)

10. STABILITY AND REACTIVITY
Conditions to avoid
Hazardous decomposition products
Stability
Materials to avoid
Hazardous polymerization

11. TOXICOLOGICAL INFORMATION
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.
Serious eye damage/eye irritation Based on available data, the classification criteria are not met.
Respiratory or skin sensitization
  Skin sensitization Based on available data, the classification criteria are not met.
  Respiratory sensitization Based on available data, the classification criteria are not met.
Carcinogenicity Based on available data, the classification criteria are not met.
Germ cell mutagenicity Based on available data, the classification criteria are not met.
Toxic to reproduction 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.
Other 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.

Toxicological data
Components  Species  Test Results

2-pyrrolidone (CAS 616-45-5)
  Acute
    Oral
    LD50  Guinea pig  6500 mg/kg
          Rat  6500 mg/kg

Aliphatic diol (CAS Proprietary)
  Acute
    Dermal
    LD50  Rabbit  > 10000 mg/kg
    Oral
    LD50  Rat  3730 mg/kg
<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Other</td>
<td>Mouse</td>
<td>1738 mg/kg</td>
</tr>
</tbody>
</table>

12. ECOLOGICAL INFORMATION

Ecotoxicological data

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-pyrrolidone (CAS 616-45-5)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aquatic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crustacea</td>
<td>EC50</td>
<td>Water flea (Daphnia pulex)</td>
</tr>
</tbody>
</table>

Ecotoxicity

- No information available.
- This product is highly soluble in water.

Environmental effects

- Not available.

Persistence / degradability

- Not available.

Bioaccumulation

- Bioaccumulative potential
- Octanol/water partition coefficient log Kow
  - 2-pyrrolidone: -0.85
  - Aliphatic diol: -0.106

Aquatic toxicity

- No data available for this product.

Mobility

- Not available.

13. DISPOSAL CONSIDERATIONS

Disposal instructions

- 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

- 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

Labeling

- R-phrase(s): None.
- S-phrase(s): None.

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.

- Kyoto protocol
  - Not applicable.

- Montreal Protocol
  - Not applicable.
16. OTHER INFORMATION

Wording of the R-phrases in sections 2 and 3
R36 Irritating to eyes.

Disclaimer
This Safety Data Sheet document is provided without charge to customers of Hewlett-Packard Company. Data is the most current known to Hewlett-Packard Company 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.

Prepared by
Hewlett-Packard Company

Issue date
23-Feb-2023

Version #
01

This data sheet contains changes from the previous version in section(s):
1. Product and Company Identification: Alternate Trade Names
Composition / Information on Ingredients: Ingredients
Physical & Chemical Properties: Multiple Properties
GHS: Classification

Manufacturer information
Hewlett-Packard Company
3000 Hanover Street
Palo Alto, California 94304-1112 US
Direct 1-650-857-5020

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