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

**Identification of the substance/preparation**
53463 Yellow 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**

<table>
<thead>
<tr>
<th>Signal word</th>
<th>None.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hazard symbols</td>
<td>None.</td>
</tr>
<tr>
<td>Hazard statement</td>
<td>None.</td>
</tr>
</tbody>
</table>

**Precautionary statement**

<table>
<thead>
<tr>
<th>Prevention</th>
<th>None.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Response</td>
<td>None.</td>
</tr>
<tr>
<td>Storage</td>
<td>None.</td>
</tr>
<tr>
<td>Disposal</td>
<td>None.</td>
</tr>
</tbody>
</table>

**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>Yellow colorant</td>
<td>Proprietary</td>
<td>&lt; 5</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 ºC) 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/PERSONAL 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  Additional exposure data
Engineering measures to reduce exposure  Use in a well ventilated area.
Personal protective equipment  Skin and body protection
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  Yellow
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 ºC) Pensky-Martens Closed Cup US EPA Method 1020
Auto-ignition temperature  Not available.
Flammability limit - lower (%)  Not available.
Flammability limit - upper (%): Not available.

Vapor pressure: Not available.

Specific gravity: Not available.

Solubility(ies):
  Solubility (water): Not available.

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

Decomposition temperature: Not available.

Viscosity: 3.2 - 3.3 cP

Other data:
  VOC (Weight %): < 297 g/L

10. STABILITY AND REACTIVITY

Conditions to avoid: Not available.

Hazardous decomposition products: Upon decomposition, this product may yield gaseous nitrogen oxides, carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

Stability: Stable under recommended storage conditions.

Materials to avoid: Incompatible with strong bases and oxidizing agents.

Hazardous polymerization: Will not occur.

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

<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>Acute</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oral</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Guinea pig</td>
<td>6500 mg/kg</td>
</tr>
<tr>
<td></td>
<td>Rat</td>
<td>6500 mg/kg</td>
</tr>
<tr>
<td>Aliphatic diol (CAS Proprietary)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acute</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dermal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rabbit</td>
<td>&gt; 10000 mg/kg</td>
</tr>
<tr>
<td>Oral</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rat</td>
<td>3730 mg/kg</td>
</tr>
</tbody>
</table>

Material name: 53463 Yellow

12094  Version #: 01  Issue date: 23-Feb-2023
<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50</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>Aquatic Crustacea EC50 Water flea (Daphnia pulex)</td>
<td>13.21 mg/l, 48 hours</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

Wordings 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