



# SAFETY DATA SHEET

## Section 1. Identification of the chemical and information on the person placing the chemical on the market

**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. \*\*\*

### 1.1. Chemical identification

C9457Series

**Other means of identification** None.

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Identified uses** Inkjet printing

**Uses advised against** None known.

### 1.3. Details of the supplier of the safety data sheet

HP Computing and Printing d.o.o., Omladinskih Brigada 90b, Belgrade  
Serbia 11070

HP Europe B.V.  
PO Box 667  
1180 AR Amstelveen  
The Netherlands  
+31 20 721 3400

**Telephone**

### HP Inc. health effect line

**(Toll-free within 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](mailto:hpcustomer.inquiries@hp.com)

**1.4 Emergency telephone number** 1-760-710-0048

## Section 2. Hazards identification

### 2.1. Classification of the substance or mixture

**Physical hazards** Not classified.

**Health hazards** Not classified.

**Environmental hazards** Not classified.

### 2.2. Label elements

**Hazard pictograms** None.

**Signal word** None.

**Hazard statements** The substance does not meet the criteria for classification.

### Precautionary statements

**Prevention** Not available.

**Response** Not available.

**Storage** Not available.

**Disposal** Not available.

**2.3. Other hazards** Complete toxicity data are not available for this specific formulation.

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.

## Section 3. Composition/information on ingredients

### 3.1. Substances

#### General information

| Chemical name              | %                 | CAS-No. / EC No.       | REACH Registration No. | Index No.    | Notes |
|----------------------------|-------------------|------------------------|------------------------|--------------|-------|
| Water                      | 70-90             | 7732-18-5<br>231-791-2 | -                      | -            |       |
| <b>Classification:</b>     | -                 |                        |                        |              |       |
| 1,2-hexanediol             | <5                | 6920-22-5<br>230-029-6 | 01-2119987321-35-XXXX  | -            |       |
| <b>Classification:</b>     | Eye Irrit. 2;H319 |                        |                        |              |       |
| 1,2-Benzisothiazolin-3-one | <0.05             | 2634-33-5<br>220-120-9 | 01-2120761540-60-XXXX  | 613-088-00-6 |       |
| <b>Classification:</b>     | -                 |                        |                        |              |       |

**Composition comments** This ink supply contains an aqueous ink formulation.

## Section 4. First aid measures

### 4.1. Description of first aid measures

|                     |   |
|---------------------|---|
| <b>Inhalation</b>   | Move to fresh air. If symptoms persist, get medical attention.  |
| <b>Skin contact</b> | Wash affected areas thoroughly with mild soap and water. If irritation persists get medical attention.  |
| <b>Eye contact</b>  | 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. |
| <b>Ingestion</b>    | If material is ingested, immediately contact a physician or poison control center.  |

**4.2. Most important symptoms and effects, both acute and delayed** Not available.

**4.3. Indication of any immediate medical attention and special treatment needed** Not available.

**General information** Not available.

## Section 5. Fire fighting measures

### 5.1. Extinguishing media

|                                       |                                   |
|---------------------------------------|-----------------------------------|
| <b>Suitable extinguishing media</b>   | CO2, water, dry chemical, or foam |
| <b>Unsuitable extinguishing media</b> | None known.                       |

**5.2. Special hazards arising from the substance or mixture** Not available.

### 5.3. Advice for firefighters

|  |                |
|--|----------------|
| <b>Special protective equipment for firefighters</b> | Not available. |
| <b>Special fire fighting procedures</b>              | Not available. |

**Specific methods** None established.

**General fire hazards** Not available.

## Section 6. Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

|                                    |   |
|------------------------------------|---|
| <b>For non-emergency personnel</b> | Wear appropriate personal protective equipment. |
| <b>For emergency responders</b>    | Not available.                                  |

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

**6.3. Methods and material for containment and cleaning up** Not available.

**6.4. Reference to other sections** Not available.

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## Section 7. Handling and storage

|  |   |
|--|---|
| <b>7.1. Precautions for safe handling</b>                                | Avoid contact with skin, eyes and clothing.                               |
| <b>7.2. Conditions for safe storage, including any incompatibilities</b> | Keep out of the reach of children. Keep away from excessive heat or cold. |
| <b>7.3. Specific end use(s)</b>  | Not available.  |

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## Section 8. Exposure controls and personal protection

### 8.1. Control parameters

|   |   |
|---|---|
| <b>Occupational exposure limits</b>               | No exposure limits noted for ingredient(s).                 |
| <b>Biological limit values</b>                    | No biological exposure limits noted for the ingredient(s).  |
| <b>Recommended monitoring procedures</b>          | Not available.  |
| <b>Derived no effect levels (DNELs)</b>           | Not available.  |
| <b>Predicted no effect concentrations (PNECs)</b> | Not available.  |
| <b>Exposure guidelines</b>                        | Exposure limits have not been established for this product. |

### 8.2. Exposure controls

|   |                                |
|---|--------------------------------|
| <b>Appropriate engineering controls</b> | Use in a well ventilated area. |
|---|--------------------------------|

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

|  |   |
|--|---|
| <b>General information</b>             | Use personal protective equipment to minimize exposure to skin and eye. |
| <b>Eye/face protection</b>             | Not available.  |
| <b>Skin protection</b>                 |   |
| - Hand protection                      | Not available.  |
| - Other                                | Not available.  |
| <b>Respiratory protection</b>          | Not available.  |
| <b>Thermal hazards</b>                 | Not available.  |
| <b>Hygiene measures</b>                | Handle in accordance with good industrial hygiene and safety practice.  |
| <b>Environmental exposure controls</b> | Not available.  |

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## Section 9. Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### Appearance

|   |   |
|---|---|
| <b>Physical state</b>                               | Liquid.                                     |
| <b>Form</b>   | Not available.                              |
| <b>Color</b>  | Green                                       |
| <b>Odor</b>   | Not available.                              |
| <b>Odor threshold</b>                               | Not available.                              |
| <b>pH</b>   | 9.2   |
| <b>Melting point/freezing point</b>                 | Not available.                              |
| <b>Initial boiling point and boiling range</b>      | Not determined                              |
| <b>Flash point</b>                                  | > 230.0 °F (> 110.0 °C) Setflash Closed Cup |
| <b>Evaporation rate</b>                             | Not determined                              |
| <b>Flammability (solid, gas)</b>                    | Not available.                              |
| <b>Upper/lower flammability or explosive limits</b> |   |
| <b>Flammability limit - lower (%)</b>               | Not determined                              |
| <b>Flammability limit - upper (%)</b>               | Not available.                              |
| <b>Vapor pressure</b>                               | Not determined                              |
| <b>Vapor density</b>                                | Not available.                              |

|  |                  |
|--|------------------|
| <b>Solubility(ies)</b>                         |                  |
| <b>Solubility (water)</b>                      | Soluble in water |
| <b>Partition coefficient (n-octanol/water)</b> | Not available.   |
| <b>Auto-ignition temperature</b>               | Not determined   |
| <b>Decomposition temperature</b>               | Not available.   |
| <b>Viscosity</b>                               | Not available.   |
| <b>Explosive properties</b>                    | Not available.   |
| <b>Oxidizing properties</b>                    | Not determined   |

## 9.2. Other information

|            |           |
|------------|-----------|
| <b>VOC</b> | 169.3 g/l |
|------------|-----------|

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## Section 10. Stability and reactivity

|   |   |
|---|---|
| <b>10.1. Reactivity</b>                         | Not available.  |
| <b>10.2. Chemical stability</b>                 | Stable under recommended storage conditions.  |
| <b>10.3. Possibility of hazardous reactions</b> | Will not occur.   |
| <b>10.4. Conditions to avoid</b>                | Not available.  |
| <b>10.5. Incompatible materials</b>             | Incompatible with strong bases and oxidizing agents.  |
| <b>10.6. Hazardous decomposition products</b>   | Upon decomposition, this product may yield gaseous nitrogen oxides, carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. aldehydes, ketones, hydrogen fluoride, fluorinated hydrocarbons |

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## Section 11. Toxicological information

|   |   |
|---|---|
| <b>General information</b>                                | Not available.  |
| <b>Information on likely routes of exposure</b>           |   |
| <b>Inhalation</b>   | Under normal conditions of intended use, this material is not expected to be an inhalation hazard.  |
| <b>Skin contact</b>                                       | Contact with skin may result in mild irritation.  |
| <b>Eye contact</b>  | Contact with eyes may result in mild irritation.  |
| <b>Ingestion</b>  | Ingestion is not a likely route of exposure.  |
| <b>Symptoms</b>   | Not available.  |
| <b>11.1. Information on toxicological effects</b>         |   |
| <b>Acute toxicity</b>                                     | Based on available data, the classification criteria are not met.                                   |
| <b>Skin corrosion/irritation</b>                          | Non irritant in rabbit (OECD 404) Based on available data, the classification criteria are not met. |
| <b>Serious eye damage/eye irritation</b>                  | Based on available data, the classification criteria are not met.                                   |
| <b>Respiratory or skin sensitization</b>                  |   |
| <b>Respiratory sensitization</b>                          | Based on available data, the classification criteria are not met.                                   |
| <b>Skin sensitization</b>                                 | Based on available data, the classification criteria are not met.                                   |
| <b>Germ cell mutagenicity</b>                             | Based on available data, the classification criteria are not met.                                   |
| <b>Carcinogenicity</b>                                    | Based on available data, the classification criteria are not met.                                   |
| <b>Reproductive toxicity</b>                              | Based on available data, the classification criteria are not met.                                   |
| <b>Specific target organ toxicity - single exposure</b>   | Based on available data, the classification criteria are not met.                                   |
| <b>Specific target organ toxicity - repeated exposure</b> | Based on available data, the classification criteria are not met.                                   |
| <b>Aspiration hazard</b>                                  | Based on available data, the classification criteria are not met.                                   |
| <b>Mixture versus substance information</b>               | Not available.  |
| <b>Other information</b>                                  | Complete toxicity data are not available for this specific formulation                              |

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## Section 12. Ecotoxicological information

### 12.1. Toxicity

| Product | Species | Test Results |
|---------|---------|--------------|
|---------|---------|--------------|

C9457Series

**Aquatic**

*Acute*

Fish

LC50

Fathead minnow (*Pimephales promelas*) > 750 mg/l, 96 hours

|  |   |
|--|---|
| <b>12.2. Persistence and degradability</b>             | Not available.                          |
| <b>12.3. Bioaccumulative potential</b>                 | Not available.                          |
| <b>Partition coefficient n-octanol/water (log Kow)</b> | Not available.                          |
| <b>Bioconcentration factor (BCF)</b>                   | Not available.                          |
| <b>12.4. Mobility in soil</b>                          | Not available.                          |
| <b>12.5. Results of PBT and vPvB assessment</b>        | Not a PBT or vPvB substance or mixture. |
| <b>12.6. Other adverse effects</b>                     | Not available.                          |

**Section 13. Disposal**

**13.1. Waste treatment methods**

|                                     |   |
|-------------------------------------|---|
| <b>Residual waste</b>               | Not available.  |
| <b>Contaminated packaging</b>       | Not available.  |
| <b>EU waste code</b>                | Not available.  |
| <b>Disposal methods/information</b> | Do not allow this material to drain into sewers/water supplies.<br>Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.<br><br>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 <a href="http://www.hp.com/recycle">http://www.hp.com/recycle</a> . |

**Section 14. Transport information**

**DOT**

|                                     |                |
|-------------------------------------|----------------|
| <b>UN number</b>                    | Not available. |
| <b>UN proper shipping name</b>      | Not Regulated  |
| <b>Transport hazard class(es)</b>   |                |
| <b>Class</b>                        | Not available. |
| <b>Subsidiary risk</b>              | -              |
| <b>Packing group</b>                | Not available. |
| <b>Environmental hazards</b>        |                |
| <b>Marine pollutant</b>             | No             |
| <b>Special precautions for user</b> | Not available. |

**IATA**

|                                     |                |
|-------------------------------------|----------------|
| <b>UN number</b>                    | Not available. |
| <b>UN proper shipping name</b>      | Not Regulated  |
| <b>Transport hazard class(es)</b>   |                |
| <b>Class</b>                        | Not available. |
| <b>Subsidiary risk</b>              | -              |
| <b>Packing group</b>                | Not available. |
| <b>Environmental hazards</b>        | No             |
| <b>Special precautions for user</b> | Not available. |

**IMDG**

|                                     |                |
|-------------------------------------|----------------|
| <b>UN number</b>                    | Not available. |
| <b>UN proper shipping name</b>      | Not Regulated  |
| <b>Transport hazard class(es)</b>   |                |
| <b>Class</b>                        | Not available. |
| <b>Subsidiary risk</b>              | -              |
| <b>Packing group</b>                | Not available. |
| <b>Transport hazard class(es)</b>   |                |
| <b>Marine pollutant</b>             | No             |
| <b>EmS</b>                          | Not available. |
| <b>Special precautions for user</b> | Not available. |

**ADR**

|                  |                |
|------------------|----------------|
| <b>UN number</b> | Not available. |
|------------------|----------------|

|                                     |  |
|-------------------------------------|--|
| <b>UN proper shipping name</b>      | Not Regulated  |
| <b>Transport hazard class(es)</b>   |  |
| <b>Class</b>                        | Not available.   |
| <b>Subsidiary risk</b>              | -  |
| <b>Hazard No. (ADR)</b>             | Not available.   |
| <b>Tunnel restriction code</b>      | Not available.   |
| <b>Packing group</b>                | Not available.   |
| <b>Environmental hazards</b>        | No   |
| <b>Special precautions for user</b> | Not available.   |
| <b>Further information</b>          | 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. |

## Section 15. Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### Restrictions and prohibitions on manufacture, placing on the market and use of chemicals (Regulation 90/2013, Annex 1, Part 1, as amended)

Not listed.

#### Other information

This Safety Data Sheet complies with the requirements of Regulation (EU) 2015/830. Classification according to Regulation (EC) No 1272/2008 as amended.

Specific Provisions: Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC (in the amended version OJ L 396 from 29.05.2007 page 3 with further rectifications and amendments).

#### International regulations

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.

#### Stockholm Convention

Not applicable.

#### Rotterdam Convention

Not applicable.

#### Montreal Protocol

Not applicable.

#### Kyoto protocol

Not applicable.

#### Basel Convention

Not applicable.

### 15.2. Chemical safety assessment

See attached SUMI or GEIS document, if applicable.

## Section 16. Other information

### References

Regulation (EC) No. 1907/2006 of December 18, 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) and establishing a European Chemicals Agency (REACH).

Regulation (EU) 2015/830 of May 28, 2015 amending Regulation (EC) No. 1907/2006.

Regulation (EC) No. 1272/2008 of December 16, 2008 on classification, labeling and packaging of substances and mixtures, and amendments (CLP).

### Information on evaluation method leading to the classification of mixture

The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.

### Full text of any H-statements not written out in full under Sections 2 to 15

H319 Causes serious eye irritation.

### Revision information

None.

### Training information

Follow training instructions when handling this material.

**Disclaimer**

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. 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.

**Explanation of abbreviations**

|               |   |
|---------------|---|
| <b>ACGIH</b>  | American Conference of Governmental Industrial Hygienists           |
| <b>CAS</b>    | Chemical Abstracts Service  |
| <b>CERCLA</b> | Comprehensive Environmental Response Compensation and Liability Act |
| <b>CFR</b>    | Code of Federal Regulations   |
| <b>COC</b>    | Cleveland Open Cup  |
| <b>DOT</b>    | Department of Transportation  |
| <b>EPCRA</b>  | Emergency Planning and Community Right-to-Know Act (aka SARA)       |
| <b>IARC</b>   | International Agency for Research on Cancer                         |
| <b>NIOSH</b>  | National Institute for Occupational Safety and Health               |
| <b>NTP</b>    | National Toxicology Program   |
| <b>OSHA</b>   | Occupational Safety and Health Administration                       |
| <b>PEL</b>    | Permissible Exposure Limit  |
| <b>RCRA</b>   | Resource Conservation and Recovery Act                              |
| <b>REC</b>    | Recommended   |
| <b>REL</b>    | Recommended Exposure Limit  |
| <b>SARA</b>   | Superfund Amendments and Reauthorization Act of 1986                |
| <b>STEL</b>   | Short-Term Exposure Limit   |
| <b>TCLP</b>   | Toxicity Characteristics Leaching Procedure                         |
| <b>TLV</b>    | Threshold Limit Value   |
| <b>TSCA</b>   | Toxic Substances Control Act  |
| <b>VOC</b>    | Volatile Organic Compounds  |