



# SAFETY DATA SHEET

## 1. Identification

<b>Important information</b>	*** 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. ***
<b>Product identifier</b>	4K0T1Series
<b>Other means of identification</b>	None.
<b>Recommended use</b>	Inkjet printing
<b>Recommended restrictions</b>	None known.
<b>Manufacturer/Importer/Supplier/Distributor information</b>	HP Inc. 1501 Page Mill Road Palo Alto, CA 94304-1112 United States
<b>Telephone</b>	650-857-1501
<b>HP Inc. health effects line (Toll-free within the US)</b>	1-800-457-4209
<b>(Direct)</b>	1-760-710-0048
<b>HP Inc. Customer Care Line</b>	
<b>(Toll-free within the US)</b>	1-800-474-6836
<b>(Direct)</b>	1-208-323-2551
<b>Email:</b>	sustainability@hp.com

## 2. Hazard(s) identification

<b>Physical hazards</b>	Not classified.
<b>Health hazards</b>	Not classified.
<b>Environmental hazards</b>	Not classified.
<b>OSHA defined hazards</b>	Not classified.
<b>Label elements</b>	
<b>Hazard symbol</b>	None.
<b>Signal word</b>	None.
<b>Hazard statement</b>	Not available.
<b>Precautionary statement</b>	
<b>Prevention</b>	Not available.
<b>Response</b>	Not available.
<b>Storage</b>	Not available.
<b>Disposal</b>	Not available.
<b>Hazard(s) not otherwise classified (HNOC)</b>	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.
<b>Supplemental information</b>	None.

## 3. Composition/information on ingredients

### Mixtures

Chemical name	Common name and synonyms	CAS number	%
Water		7732-18-5	65-85

Chemical name	Common name and synonyms	CAS number	%
Cyclo Amide*		Proprietary*	<15
Pigment red*		Proprietary*	<5
2,4,7,9-Tetramethyl-5-decyne-4,7-diol, ethoxylated		9014-85-1	<1

**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** 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.

**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.

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## 9. Physical and chemical properties

### Appearance

Physical state	Liquid.
Form	Not available.
Color	Magenta

Odor Not available.

Odor threshold Not available.

pH 9 - 10

Melting point/freezing point Not available.

Initial boiling point and boiling range Not available.

Flash point >230.0 °F (>110.0 °C) Pensky-Martens Closed Cup US EPA Method 1020

Evaporation rate Not available.

Flammability (solid, gas) Not available.

### Upper/lower flammability or explosive limits

Explosive limit - lower (%) Not available.

Explosive limit - upper (%) Not available.

Vapor pressure Not available.

Relative vapor density Not available.

### Solubility(ies)

Solubility (water) Not available.

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

Auto-ignition temperature Not available.

Decomposition temperature Not available.

Viscosity Not available.

Other information For other VOC regulatory data/information see Section 15.

Density 1.04 g/cm<sup>3</sup>

Oxidizing properties Not determined

VOC <17 g/L

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## 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.

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## 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

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

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Components	Species	Test Results
2,4,7,9-Tetramethyl-5-decyne-4,7-diol, ethoxylated (CAS 9014-85-1)		
<b>Acute</b>		
<b>Inhalation</b>		
LC50	Rat	20 mg/l, 1 h Dusts, mists and fumes. The data are derived from the evaluations or test results achieved with similar products (conclusion by analogy).
<b>Oral</b>		
LD50	Rat	6300 mg/kg
<b>Skin corrosion/irritation</b>	Based on available data, the classification criteria are not met.	
<b>Irritation Corrosion - Skin</b>		
2,4,7,9-Tetramethyl-5-decyne-4,7-diol, ethoxylated	Not irritating, The data are derived from the evaluations or test results achieved with similar products (conclusion by analogy). Test Duration: 24 h	
<b>Serious eye damage/eye irritation</b>	Based on available data, the classification criteria are not met.	
<b>Eye</b>		
2,4,7,9-Tetramethyl-5-decyne-4,7-diol, ethoxylated	Risk of serious damage to eyes, The data are derived from the evaluations or test results achieved with similar products (conclusion by analogy). Species: Rabbit	
<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>Sensitization</b>		
2,4,7,9-Tetramethyl-5-decyne-4,7-diol, ethoxylated	May cause sensitization by skin contact.	
<b>Germ cell mutagenicity</b>	Based on available data, the classification criteria are not met.	
<b>Carcinogenicity</b>		
2,4,7,9-Tetramethyl-5-decyne-4,7-diol, ethoxylated	Ames (OECD 471), Chromosomal aberration (OECD 473), gene mutation (OECD 476), negative. The data are derived from the evaluations or test results achieved with similar products (conclusion by analogy).	
<b>IARC Monographs. Overall Evaluation of Carcinogenicity</b>		
Not listed.		
<b>OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)</b>		
Not listed.		
<b>US. National Toxicology Program (NTP) Report on Carcinogens</b>		
Not listed.		
<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>Further information</b>	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** Not expected to be harmful to aquatic organisms.

## Ecotoxicity

Product	Species	Test Results
4K0T1Series		
<b>Aquatic</b>		
<i>Acute</i>		
Fish	LC50	Fathead minnow ( <i>Pimephales promelas</i> ) > 750 mg/l, 96 hours

Components	Species	Test Results
2,4,7,9-Tetramethyl-5-decyne-4,7-diol, ethoxylated (CAS 9014-85-1)		
<i>Acute</i>		
	LC50	Scophthalmus maximus (turbot) 52 mg/l, 96 h
<b>Aquatic</b>		
<i>Acute</i>		
Crustacea	EC50	Daphnia magna 88 mg/l, 48 h The data are derived from the evaluations or test results achieved with similar products (conclusion by analogy). (OECD 202)
	LC50	Acartia tonsa 166 mg/l, 48 h
Fish	LC50	<i>Pimephales promelas</i> 36 mg/l, 96 h The data are derived from the evaluations or test results achieved with similar products (conclusion by analogy). (OECD 203)

**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 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

**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.

**SARA 311/312 Hazardous chemical**      No

**Other federal regulations**

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

No intentionally added HAP substances.

**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) = <86 g/L (U.S. requirement, not for emissions)  
VOC data based on formulation (Organic compounds minus solids)

**Regulatory information**

HP complies with chemical regulatory requirements in chemical substance notification laws, where applicable. All chemical substances are notified or exempt from notification or listed in the inventory as existing substances in the following countries: US (TSCA), Canada (DSL/NDSL), Australia (AICIS), Japan (ISHL, ENCS), Philippines (PICCS), New Zealand (NZIoC) and China (IECSC). For guidance on importation and/or additional requirements for registration schemes such as EAEU, EU, South Korea, Turkey, UK, India and Taiwan, please contact the Sustainability and Compliance Center (sustainability@hp.com).

**Clean Air Act (CAA)**

No intentionally added HAP substances.

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**16. Other information, including date of preparation or last revision**

**Issue date**

14-Nov-2023

**Version #**

01

**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.

**Revision information**

1. Product and Company Identification: Alternate Trade Names

## Explanation of abbreviations

<b>ACGIH</b>	American Conference of Governmental Industrial Hygienists
<b>Acute Tox.</b>	Acute toxicity
<b>Aquatic Acute</b>	Short-term (acute) aquatic hazard
<b>Aquatic Chronic</b>	Long-term (chronic) aquatic hazard
<b>Asp. Tox.</b>	Aspiration hazard
<b>Carc.</b>	Carcinogenicity
<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>Eye Dam.</b>	Serious eye damage
<b>Eye Irrit.</b>	Eye Irritation
<b>Flam. Liq.</b>	Flammable liquids
<b>Flam. Sol.</b>	Flammable solids
<b>Lact.</b>	Effects on or via lactation
<b>Muta.</b>	Germ cell mutagenicity
<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>Ox. Liq.</b>	Oxidising liquids
<b>Ozone</b>	Hazardous to the ozone layer
<b>PEL</b>	Permissible Exposure Limit
<b>Press. Gas</b>	Gases under pressure
<b>RCRA</b>	Resource Conservation and Recovery Act
<b>REC</b>	Recommended
<b>REL</b>	Recommended Exposure Limit
<b>Repr.</b>	Reproductive toxicity
<b>Resp. Sens.</b>	Respiratory sensitization
<b>SARA</b>	Superfund Amendments and Reauthorization Act of 1986
<b>Skin Corr.</b>	Skin corrosion
<b>Skin Irrit.</b>	Skin irritation
<b>Skin Sens.</b>	Skin sensitization
<b>STEL</b>	Short-Term Exposure Limit
<b>STOT RE</b>	Specific target organ toxicity - repeated exposure
<b>STOT SE</b>	Specific target organ toxicity - single exposure
<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