



SAFETY DATA SHEET

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	1CP98Series	
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:	sustainability@hp.com	

2. Hazard(s) identification

Physical hazards	Not classified.	
Health hazards	Sensitization, skin	Category 1
Environmental hazards	Not classified.	
OSHA defined hazards	Not classified.	

Label elements



Signal word	Warning
Hazard statement	May cause an allergic skin reaction.
Precautionary statement	
Prevention	Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated work clothing should not be allowed out of the workplace.
Response	IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.
Storage	Not available.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.
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	None.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
Water		7732-18-5	85-95
Pigment Yellow*		Proprietary*	<5
Cyclo Amide*		Proprietary*	<2.5
2,4,7,9-Tetramethyl-5-decyne-4,7-diol, ethoxylated		9014-85-1	<1
1,2-Benzisothiazolin-3-one (Benzisothiazolinone)		2634-33-5	<0.1
2-Methyl-2h-isothiazol-3-one (Methylisothiazolinone)		2682-20-4	<0.1

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. If irritation persists get medical attention.
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	CO2, water, dry chemical, or 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	Wear self contained breathing apparatus for fire fighting if necessary.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Wear appropriate personal protective equipment.
Methods and materials for containment and cleaning up	Not available.
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	Use personal protective equipment to minimize exposure to skin and eye.
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	Yellow

Odor Not available.

Odor threshold Not available.

pH 8.8 - 9.1

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

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 3.2 - 3.3 cP

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

Density 1.03 g/cm³

VOC <56 g/l US EPA Method 24

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. Decomposition of this product may yield oxides of phosphorus.
hydrogen fluoride
fluorinated 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

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

Components	Species	Test Results
1,2-Benzisothiazolin-3-one (Benzisothiazolinone) (CAS 2634-33-5)		
Acute		
Dermal		
LD50	Rat	> 2000 mg/kg (OECD 402)
Oral		
LD50	Mouse	1150 mg/kg
	Rat	1020 mg/kg
		670 mg/kg (OECD 401)
2,4,7,9-Tetramethyl-5-decyne-4,7-diol, ethoxylated (CAS 9014-85-1)		
Acute		
Inhalation		
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).
Oral		
LD50	Rat	6300 mg/kg
2-Methyl-2h-isothiazol-3-one (Methylisothiazolinone) (CAS 2682-20-4)		
Acute		
Dermal		
LD50	Rat	242 mg/kg (OECD 402)
Inhalation		
LC50	Rat	0.11 mg/l, 4 h (OECD 403)
Oral		
LD50	Rat	120 mg/kg
Skin corrosion/irritation	Based on available data, the classification criteria are not met.	
Irritation Corrosion - Skin		
2-Methyl-2h-isothiazol-3-one (Methylisothiazolinone)	Corrosive, rabbit (OECD 404)	
1,2-Benzisothiazolin-3-one (Benzisothiazolinone)	Irritating (4 h, rabbit)	
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	
Serious eye damage/eye irritation	Based on available data, the classification criteria are not met.	
Eye		
1,2-Benzisothiazolin-3-one (Benzisothiazolinone)	Causes serious eye damage (rabbit)	
2-Methyl-2h-isothiazol-3-one (Methylisothiazolinone)	Corrosive, based on OECD 404 results	
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	

Respiratory or skin sensitization

Respiratory sensitization Based on available data, the classification criteria are not met.

Skin sensitization Non-sensitizer- Local Lymph Node Assay (OECD 429).

Sensitization

2,4,7,9-Tetramethyl-5-decyne-4,7-diol, ethoxylated May cause sensitization by skin contact.

Skin sensitization

1,2-Benzisothiazolin-3-one (Benzisothiazolinone) Causes sensitization (Guinea pig, OECD 406)
2-Methyl-2h-isothiazol-3-one (Methylisothiazolinone) Sensitizing, mice (OECD 429), Sensitizing, guinea pigs (OECD 406)

Germ cell mutagenicity Based on available data, the classification criteria are not met.

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

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).

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

12. Ecological information

Ecotoxicity

Product	Species	Test Results
1CP98Series		
Aquatic		
<i>Acute</i>		
Fish	LC50	Fathead minnow (<i>Pimephales promelas</i>) > 750 mg/l, 96 hr
Components	Species	Test Results
1,2-Benzisothiazolin-3-one (Benzisothiazolinone) (CAS 2634-33-5)		
<i>Acute</i>		
	EC50	Activated sludge 12.8 mg/l, 3 h (OECD 209)
Other	EC50	<i>Pseudokirchnerella subcapitata</i> 0.11 mg/l, 72 h OECD (201)
	NOEC	<i>Pseudokirchnerella subcapitata</i> 0.055 mg/l, 72 h (OECD 201)
Aquatic		
<i>Acute</i>		
Crustacea	EC50	<i>Daphnia magna</i> 4.4 mg/l, 48 h 2.9 mg/l, 48 h (OECD 202)
Fish	LC50	<i>Oncorhynchus mykiss</i> 2.15 mg/l, 96 h (OECD 203) 0.8 mg/l, 96 h
2,4,7,9-Tetramethyl-5-decyne-4,7-diol, ethoxylated (CAS 9014-85-1)		
<i>Acute</i>		
	LC50	<i>Scophthalmus maximus</i> (turbot) 52 mg/l, 96 h

Components	Species	Test Results	
Aquatic			
<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	Pimephales promelas	36 mg/l, 96 h The data are derived from the evaluations or test results achieved with similar products (conclusion by analogy). (OECD 203)
2-Methyl-2h-isothiazol-3-one (Methylisothiazolinone) (CAS 2682-20-4)			
<i>Acute</i>			
	EC50	Activated sludge	34.6 mg/l (DIN 38412-3)
Other	EC50	Pseudokirchnerella subcapitata	0.445 mg/l, 120 h (OECD 201)
Aquatic			
<i>Acute</i>			
Crustacea	EC50	Daphnia magna	1.68 mg/l, 48 h (OECD 202)
Fish	LC50	Rainbow Trout	6 mg/l, 96 h (OECD 203)
<i>Chronic</i>			
Crustacea	NOEC	Daphnia magna	0.0442 mg/l, 21 d (OECD 211)
Fish	NOEC	Oncorhynchus mykiss	4.93 mg/l, 98 d (OECD 210)
Persistence and degradability	Not available.		
Biodegradability			
Percent degradation (Aerobic biodegradation-ready)			
1,2-Benzisothiazolin-3-one (Benzisothiazolinone)	85 %, Not readily biodegradable (OECD 301C)		Test Duration: 63 d
2-Methyl-2h-isothiazol-3-one (Methylisothiazolinone)	54.1 %, (OECD 301B)		Test Duration: 29 d
Bioaccumulative potential	Not available.		
Partition coefficient n-octanol / water (log Kow)			
1,2-Benzisothiazolin-3-one (Benzisothiazolinone)	0.7 (OECD 117)		
2-Methyl-2h-isothiazol-3-one (Methylisothiazolinone)	-0.32 (OECD 107)		
Bioconcentration factor (BCF)			
1,2-Benzisothiazolin-3-one (Benzisothiazolinone)	6.62, (OECD 305)		Species: Bluegill (Lepomis macrochirus)
2-Methyl-2h-isothiazol-3-one (Methylisothiazolinone)	48.1, Viscera (1972)		Species: Bluegill (Lepomis macrochirus)
	5.75, Carcass (1972)		Species: Bluegill (Lepomis macrochirus)
Mobility in soil			
Adsorption			
Soil/sediment sorption - log Koc			
1,2-Benzisothiazolin-3-one (Benzisothiazolinone)	0.97, (OECD 121)		
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

UN number	Not regulated as dangerous goods.
UN proper shipping name	Not Regulated
Transport hazard class(es)	
Class	Not assigned.
Subsidiary risk	-
Packing group	Not assigned.
Environmental hazards	
Marine pollutant	No
Special precautions for user	Not assigned.

IATA

UN number	Not regulated as dangerous goods.
UN proper shipping name	Not Regulated
Transport hazard class(es)	
Class	Not assigned
Subsidiary risk	-
Packing group	Not assigned
Environmental hazards	No
Special precautions for user	Not assigned

IMDG

UN number	Not regulated as dangerous goods.
UN proper shipping name	Not Regulated
Transport hazard class(es)	
Class	Not assigned.
Subsidiary risk	-
Packing group	Not assigned.
Transport hazard class(es)	
Marine pollutant	No
EmS	Not assigned.
Special precautions for user	Not assigned.

ADR

UN number	Not regulated as dangerous goods.
UN proper shipping name	Not Regulated
Transport hazard class(es)	
Class	Not assigned
Subsidiary risk	-
Hazard No. (ADR)	Not assigned
Tunnel restriction code	Not assigned
Packing group	Not assigned
Environmental hazards	No
Soecial precautions for user	Not assigned

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)

2-Methyl-2h-isothiazol-3-one (Methylisothiazolinone) 1.0 % One-Time Export Notification only.
(CAS 2682-20-4)

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 Yes

Classified hazard categories Respiratory or skin sensitization

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) = 346 g/L (U.S. requirement, not for emissions) US EPA Method 24.

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.

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

Issue date 20-Jul-2018

Revision date 13-Sep-2023

Version # 14

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

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