



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	F9K02Series
Other means of identification	None.
Recommended use	Inkjet printing. For use only in inkjet printing
Recommended restrictions	None known.
Manufacturer/Importer/Supplier/Distributor information	
	HP Canada Co. 5150 Spectrum Way, Floor 6 Mississauga, Ontario, Canada L4W 5G2
Telephone	888-206-0289
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
Emergency Telephone	1-760-710-0048
Number	
Supplier	Not available.

2. Hazard 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	Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection.
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.
Supplemental information	None.

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.

3. Composition/information on ingredients**Mixtures**

Chemical name	Common name and synonyms	CAS number	%
1,2-Benzisothiazolin-3-one (Benzisothiazolinone)		2634-33-5	0.01-0.1
2-Methyl-2h-isothiazol-3-one (Methylisothiazolinone)		2682-20-4	0.01-0.1

Composition comments

This ink supply contains an aqueous ink formulation.
The components of this product have been evaluated in accordance with the hazard criteria of the Canada Hazardous Products Regulations (HPR).

4. First-aid measures

Inhalation	Remove 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

Occupational exposure limits	No exposure limits noted for ingredient(s).
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	Not available.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin protection

Hand protection Use protective gloves made of: Nitrile rubber.

Other Wear appropriate chemical resistant clothing.

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 - 10

Melting point/freezing point Not available.

Initial boiling point and boiling range Not available.

Flash point >230.0 °F (>110.0 °C)

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 density Not available.

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 1.05 g/cm³

Flammability Not flammable according to GHS Hazard Classification Criteria.

Oxidizing properties Not determined

Particle size Not applicable.

Percent volatile 2 % estimated

Specific gravity 1 - 1.1

VOC <182 g/l

10. Stability and reactivity

Reactivity Not available.

Chemical stability Stable under recommended storage conditions.

Possibility of hazardous reactions None known.

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., fluorinated hydrocarbons and hydrogen fluoride.

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	Ingestion is not a likely route of exposure.

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)		
<u>Acute</u>		
Dermal		
LD50	Rat	> 2000 mg/kg (OECD 402)
Oral		
LD50	Mouse	1150 mg/kg
	Rat	1020 mg/kg
		670 mg/kg (OECD 401)
2-Methyl-2h-isothiazol-3-one (Methylisothiazolinone) (CAS 2682-20-4)		
<u>Acute</u>		
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. Non irritant in rabbit (OECD 404)	
Irritation Corrosion - Skin		
2-Methyl-2h-isothiazol-3-one (Methylisothiazolinone)	Corrosive, rabbit (OECD 404)	
1,2-Benzisothiazolin-3-one (Benzisothiazolinone)	Irritating (4 h, rabbit)	
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	
Respiratory or skin sensitization		
Respiratory sensitization	Based on available data, the classification criteria are not met.	
Skin sensitization	May cause an allergic skin reaction.	
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.	
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

Aquatic toxicity	No information available.
Ecotoxicity	No information available.

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

F9K02Series

Aquatic

Fish	LC50	Fathead minnow (<i>Pimephales promelas</i>)	> 750 mg/l, 96 Hours
------	------	---	----------------------

Components	Species	Test Results
------------	---------	--------------

1,2-Benzisothiazolin-3-one (Benzisothiazolinone) (CAS 2634-33-5)

Acute

	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

Acute

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-Methyl-2h-isothiazol-3-one (Methylisothiazolinone) (CAS 2682-20-4)

Acute

	EC50	Activated sludge	34.6 mg/l (DIN 38412-3)
Other	EC50	<i>Pseudokirchnerella subcapitata</i>	0.445 mg/l, 120 h (OECD 201)

Aquatic

Acute

Crustacea	EC50	<i>Daphnia magna</i>	1.68 mg/l, 48 h (OECD 202)
Fish	LC50	Rainbow Trout	6 mg/l, 96 h (OECD 203)

Chronic

Crustacea	NOEC	<i>Daphnia magna</i>	0.0442 mg/l, 21 d (OECD 211)
Fish	NOEC	<i>Oncorhynchus mykiss</i>	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 (<i>Lepomis macrochirus</i>)
2-Methyl-2h-isothiazol-3-one (Methylisothiazolinone)	48.1, Viscera (1972) Species: Bluegill (<i>Lepomis macrochirus</i>) 5.75, Carcass (1972) Species: Bluegill (<i>Lepomis macrochirus</i>)

Mobility in soil

Adsorption

Soil/sediment sorption - log K_{oc}

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>.

Waste from residues / unused products Not available.

Contaminated packaging Not available.

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

Special 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**Canadian regulations**

This product has been classified in accordance with the hazard criteria of the CPR and the SDS contains all the information required by the CPR.

Controlled Drugs and Substances Act

Not regulated.

Export Control List (CEPA 1999, Schedule 3)

Not listed.

Greenhouse Gases

Not listed.

Precursor Control Regulations

Not regulated.

International regulations

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).

Stockholm Convention

Not applicable.

Rotterdam Convention

Not applicable.

Kyoto protocol

Not applicable.

Montreal Protocol

Not applicable.

Basel Convention

Not applicable.

Other information

VOC content (less water, less exempt compounds) = < 946 g/L (U.S. requirement, not for emissions)

VOC data based on formulation (Organic compounds minus solids)

Contains a short-chain, partially fluorinated substituted glycol at <0.1%.

16. Other information**Issue date**

29-Jun-2018

Revision date

28-Jun-2024

Version #

14

Other information

This SDS was prepared in accordance with Canada Controlled Product Regulations.

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