



# SAFETY DATA SHEET

## 1. Identification of the chemical and information about the manufacturer or supplier

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### 1.1 Identification of the chemical products

**1.1.1 Technical name** F9K54Series

**Other means of identification** None.

### 1.1.2 Recommended use of the chemical and restrictions on use

**Recommended use** Inkjet printing

**Limitations on use** None known.

### 1.2 Manufacturer/Importer/Supplier/Distributor information

#### 1.2.1 Manufacturer

ZAO Hewlett-Packard A.O.  
Highway Leningradskoe, House 16A, Building 3,  
125171, Moscow

**Telephone** 7 495 797-3500

#### 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:** [hpcustomer.inquiries@hp.com](mailto:hpcustomer.inquiries@hp.com)

## 2. Hazard(s) identification

### 2.1. Hazard identification of chemical product as a whole (classification according to GOST 12.1.007-76 and GHS)

**Classification according to GOST 12.1.007-76** Not available.

#### GHS classification

**Physical hazards** Not classified.

**Health hazards** Sensitization, skin

**Environmental hazards** Not classified.

### 2.2 Labeling elements in compliance with GOST 31340-2013

**2.2.1 Signal word** Warning

#### 2.2.2 Symbols



#### 2.2.3 Hazard statement

H317 May cause an allergic skin reaction.

### Precautionary statement

#### Prevention

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P261 Avoid breathing dust/fume/gas/mist/vapors/spray.

P272 Contaminated work clothing should not be allowed out of the workplace.

#### Response

P302 + P352 IF ON SKIN: Wash with plenty of water.

P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.

P362 + P364 Take off contaminated clothing and wash it before reuse.

**Storage** Not available.

<b>Disposal</b>	P501	Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Other hazards</b>		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.
<b>Supplemental information</b>		None.

### 3. Composition/information on ingredients

#### 3.1 Information on product as a whole

**3.1.1 Chemical name (IUPAC)** F9K54Series

**3.1.2 Chemical formula** Not available.

**3.1.3 General description of the composition (taking into account the brand assortment; preparation method)** Not available.

#### 3.2 Components

Components	Concentration by weight (%)	Hygienic standards in the working area			CAS-No.	EC No.
		MAC, mg/m <sup>3</sup>	TSEL, mg/m <sup>3</sup>	Hazard classification		
Water	65-75	None.	None.		7732-18-5	231-791-2
Calcium Chloride	<10	2 Aerosol.	None.	3	10043-52-4	233-140-8
1,2-Benzisothiazolin-3-one	<0.1	None.	None.		2634-33-5	220-120-9
2-methyl-2h-isothiazol-3-one	<0.1	None.	None.		2682-20-4	220-239-6

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

### 4. First-aid measures

#### 4.1. Observed symptoms

**4.1.1 In case of exposure via inhalation** Under normal conditions of intended use, this material is not expected to be an inhalation hazard.

**4.1.2 In contact with skin** Contact with skin may result in mild irritation.

**4.1.3 In contact with eyes** Contact with eyes may result in mild irritation.

**4.1.4 In case of exposure via ingestion** Health injuries are not known or expected under normal use.

#### 4.2 First-aid measures to be provided to victims

**4.2.1 In case of exposure via inhalation** Move to fresh air. If symptoms persist, get medical attention.

**4.2.2 In contact with skin** Wash affected areas thoroughly with mild soap and water. Get medical attention if irritation develops or persists.

**4.2.3 In contact with eyes** 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.

**4.2.4 In case of exposure via ingestion** If ingestion of a large amount does occur, seek medical attention.

**4.2.5 Contraindications** Not available.

### 5. Fire-fighting and explosion safety measures and means

**5.1 General characteristics of fire-explosion properties** Not available.

**5.2 Fire-explosion indicators** Not available.

**5.3 Combustion and/or thermal destruction products and hazards arising from these** Not available.

<b>5.4 Recommended extinguishing media</b>	Dry chemical, CO2, water spray or regular foam.
<b>5.5 Forbidden extinguishing media</b>	None known.
<b>5.6 Special protective equipment for firefighters</b>	Not available.
<b>5.7 Specific extinguishing methods</b>	None established.

## 6. Accident and emergency prevention and response measures and their consequences

### 6.1 Measures to prevent harmful effects on people, environment, buildings, constructions, etc. in case of accidents and emergencies

**6.1.1 General required actions in case of an accident or emergency** Wear appropriate personal protective equipment.

**6.1.2 Personal protection equipment in case of the accident** Not available.

### 6.2 Procedures for the elimination of accidents and emergencies

**6.2.1 Procedures in case of leaks, spills, splashes** Soak up with inert absorbent material. Slowly vacuum or sweep the material into a bag or other sealed container. Dispose of in compliance with federal, state, and local regulations. See also section 13 Disposal considerations.

**6.2.2 Actions in case of fire** Not available.

**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. Storage and handling requirements of chemicals during loading and unloading

### 7.1 Safety precautions when handling chemical products

**7.1.1 Technical safety measures** Not available.

**7.1.2 Environmental protection measures** Avoid contact with eyes, skin, and clothing.

**7.1.3 Recommended safe handling and transportation advice** Avoid contact with skin, eyes and clothing.

### 7.2 Chemical storage requirements

**7.2.1 Terms and conditions for safe storage** Not available.

**7.2.2 Packaging** Not available.

### 7.3 Safety measures and storage requirements at domestic use

Keep out of the reach of children.  
Keep away from excessive heat or cold.

## 8. Equipment for monitoring exposure and personal protective equipment

### 8.1 Parameters of the working area that require monitoring

#### Occupational exposure limits

Hygiene Norm GN 2.2.5.1313-03. Executive No. 76 of 30 April 2003. Maximum allowable concentration (MAC) of harmful substances in the air of working zones, as amended

Components	Type	Value	Form
Calcium Chloride (CAS 10043-52-4)	Ceiling	2 mg/m3	Aerosol.

**8.2 Measures to ensure the content of harmful substances in the working area below the exposure level concentration** Exposure limits have not been established for this product.

**Appropriate engineering controls** Use in a well ventilated area.

### 8.3 Worker personal protective equipment

**8.3.1 General recommendations** Use personal protective equipment to minimize exposure to skin and eye.

**8.3.2 Respiratory protection** Not available.

### 8.3.3 Protective equipment

Eye/face protection Not available.

Hand protection Not available.

Other Not available.

Thermal hazards Not available.

8.3.4 Personal protection equipment in case of domestic use Not applicable.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice.

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## 9. Physical and chemical properties

9.1 Physical appearance Milky.

Physical state Liquid.

Form Liquid.

Color Milky.

Odor Not available.

Odor threshold Not available.

### 9.2 Parameters characterizing basic properties of the product

pH 5.9

Melting point/freezing point Not available.

Initial boiling point and boiling range Not available.

Flash point > 230.0 °F (> 110.0 °C) Setaflash Closed cup

Auto-ignition temperature Not available.

Decomposition temperature Not available.

#### Upper/lower flammability or explosive limits

Flammability limit - lower (%) Not available.

Flammability limit - upper (%) Not available.

Vapor pressure Not available.

Density 1.10 g/cm<sup>3</sup>

Viscosity Not available.

#### Solubility(ies)

Solubility (water) Not available.

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

#### Other data

VOC 0 g/l

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## 10. Stability and reactivity

10.1 Chemical stability Stable under recommended storage conditions.

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

10.2 Reactivity Not available.

10.3 Conditions to avoid Not available.

Possibility of hazardous reactions Will not occur.

Incompatible materials Incompatible with strong bases and oxidizing agents.

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## 11. Toxicological information

11.1 General exposure characteristics Not available.

11.2 Routes of exposure Not available.

### 11.3 Affected/target organs, tissues and systems of humans

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.

#### 11.4 Information on health hazards in case of direct exposure to the product and its effect

**Effect on upper respiratory tract irritation** Not available.

**Respiratory or skin sensitization** Not available.

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

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

**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.

**Aspiration hazard** Based on available data, the classification criteria are not met.

#### 11.5 Information on long-term hazardous health effects

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

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

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

**Cumulativeness** Not available.

**Chronic effects** Not available.

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

**Further 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.

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## 12. Environmental impact information

**12.1 General description of the impact on the environment** Not available.

**12.2 Routes of exposure to environment** Not available.

#### 12.3 The most important characteristics of the environmental impact

**12.3.1 Hygienic standards** Not available.

**12.3.2 Ecotoxicity** No ecotoxicity data noted for the ingredient(s)

#### 12.3.3 Biomigration and transformation of the environment due to the biodegradation or other processes

**Persistence and degradability** Not available.

**Bioaccumulative potential** Not available.

**Mobility in soil** Not available.

**Other adverse effects** Not available.

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## 13. Recommendations for waste (residues) disposal

**13.1 Safety precautions when handling the waste generated during use, storage, transportation** Do not dispose of together with general office waste. Do not allow this material to drain into sewers/water supplies. Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations. Ensure collection and disposal with an appropriately licensed waste contractor.

**13.2 Information on the location and disposal methods, recycling or disposal of product waste, including packaging** Not available.

**13.3 Recommendation on the waste disposal generated during its domestic use** Not available.

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## 14. Transport information

### DOT

**UN number** Not available.

**UN proper shipping name** Not Regulated

**Transport hazard class(es) Class** 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.
<b>IATA</b>	
<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.
<b>IMDG</b>	
<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.
<b>ADR</b>	
<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.

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## 15. National and international regulatory information

### 15.1 National legislation

**15.1.1 Laws of the Russian Federation** Not available.

**15.1.2 Information about the documentation, regulatory requirements for the protection of human health and environment**

**Sanitary-Epidemiological Rules, 1.2.2353-08, Chemical substances, mixtures and products which are carcinogenic factors, 21 April 2008**

Not listed.

### 15.2 International Conventions and Agreements

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.

## 16. Other information

### 16.1 Information on revision of the SDS

<b>Issue date</b>	26-May-2016
<b>Revision date</b>	02-Jul-2020
<b>Version #</b>	05
<b>Previous SDS number</b>	Not applicable.
<b>Revision information</b>	Hazard(s) identification: 2.2.3 Hazard statement Hazard(s) identification: Disposal Hazard(s) identification: Prevention Hazard(s) identification: Response Hazard(s) identification: GHS Signal Words Hazard(s) identification: GHS Symbols Hazard(s) identification: Supplemental information Composition / Information on Ingredients: Ingredients Toxicological information: Skin contact Transport information: Further information Regulatory Information: United States National and international regulatory information: 15.2 International Conventions and Agreements

### 16.2 List of references used in compiling the safety data sheet

Not available.

#### Disclaimer

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#### 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