



# SAFETY DATA SHEET

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**Identification of the substance/preparation** C5099A  
**Use of the preparation** Inkjet printing  
**Revision date** 02-18-2009  
**CAS #** mixture  
**Company identification** Hewlett-Packard, Ltd.  
Cain Road, Amen Corner  
Bracknell, Berkshire, RG12 1HN  
Telephone 1 344 36-0000  
  
Hewlett-Packard health effects line  
(Toll-free within the US) 1-800-457-4209  
(Direct) 1-503-494-7199  
HP Customer Care Line  
(Toll-free within the US) 1-800-474-6836  
(Direct) 1-208-323-2551  
Email: hpcustomerinquiries@hp.com  
Poison Information Center 0207771 5307

## 2. HAZARDS IDENTIFICATION

**Potential health effects**  
**Chronic health effects** None known.  
**Carcinogenicity** None of the components present in this formulation at concentrations equal to or greater than 0.1% are listed by EU, MAK, IARC, NTP or OSHA.  
**Physical hazards** Not classified as a physical hazard.  
**Health hazards** Not classified as a health hazard.  
**Environmental hazards** Not classified as an environmental hazard.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component/substance	CAS number	% by weight	EU number	EU classification
Water	7732-18-5	< 100	231-791-2	
1,2-benzisothiazolin-3-one (19.3%)	2634-33-5	< 0.05	220-120-9	Xi, Xn, N, R22, 38, 41, 43, 50
Dipropylene glycol	25265-71-8	< 0.13	246-770-3	
Sodium hydroxide	1310-73-2	< 0.03	215-185-5	C, R35
<b>Composition comments</b>	This product is considered not hazardous under 29 CFR 1910.1200 (Hazard Communication).			

## 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 symptoms occur, consult a physician.

## 5. FIRE-FIGHTING MEASURES

**Flash point and method** > 93.3 °C (> 200 °F); Pensky-Martens Closed Cup  
**Suitable extinguishing media** CO<sub>2</sub>, water, dry chemical, or foam  
**Extinguishing media which must not be used for safety reasons** None known.



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<b>Unusual fire &amp; explosion hazards</b>	None known.
<b>Hazardous combustion products</b>	Oxides of carbon/nitrogen/sulfur, and water.
<b>Specific methods</b>	None established.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	Avoid contact with skin
<b>Environmental precautions</b>	Do not let product enter drains. Do not flush into surface water or sanitary sewer system.

## 7. HANDLING AND STORAGE

<b>Handling</b>	Avoid contact with skin, eyes and clothing. Keep out of the reach of children. Keep container closed and store at room temperature. Keep away from strong oxidizers. Keep away from excessive heat, sparks, and open flames.
<b>Storage</b>	Keep out of the reach of children. When using, do not eat, drink or smoke. Store at room temperature in the original container.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Occupational exposure limits

#### Belgium

Components	Type	Value
Sodium hydroxide (1310-73-2)	TWA	2 mg/m3

#### Denmark

Components	Type	Value
Sodium hydroxide (1310-73-2)	TWA	2 mg/m3

#### France

Components	Type	Value
Sodium hydroxide (1310-73-2)	VME	2 mg/m3

#### Germany

Components	Type	Value
Dipropylene glycol (25265-71-8)	AGW	67 mg/m3

#### Italy

Components	Type	Value
Sodium hydroxide (1310-73-2)	Ceiling	2 mg/m3

#### Spain

Components	Type	Value
Sodium hydroxide (1310-73-2)	STEL	2 mg/m3

#### Sweden

Components	Type	Value	Form
Sodium hydroxide (1310-73-2)	Ceiling	2 mg/m3	Inhalable dust.
	TWA	1 mg/m3	Inhalable dust.



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## Switzerland

Components	Type	Value	Form
Dipropylene glycol (25265-71-8)	STEL	400 mg/m3	Inhalable dust.
	TWA	200 mg/m3	Inhalable dust.
Sodium hydroxide (1310-73-2)	STEL	2 mg/m3	Inhalable dust.
	TWA	2 mg/m3	Inhalable dust.

## United Kingdom

Components	Type	Value
Sodium hydroxide (1310-73-2)	STEL	2 mg/m3

**Additional exposure data** Exposure limits have not been established for this product.

### Personal protective equipment

**General** None established.

**Hygiene measures** None established.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Not available.
<b>Physical state</b>	Liquid.
<b>Form</b>	Not available.
<b>Color</b>	colourless
<b>Odor</b>	Not available.
<b>Odour threshold</b>	Not available.
<b>pH</b>	Not determined
<b>Boiling point</b>	Not determined
<b>Flash point</b>	> 93.3 °C (> 200 °F); Pinsky-Martens Closed Cup
<b>Flammability</b>	Not available.
<b>Flammability limits in air, upper, % by volume</b>	Not available.
<b>Flammability limits in air, lower, % by volume</b>	Not determined
<b>Vapor pressure</b>	Not determined
<b>Relative density</b>	Not available.
<b>Solubility (water)</b>	Soluble in water
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Vapor density</b>	Not available.
<b>Evaporation rate</b>	Not determined
<b>Melting point</b>	Not available.
<b>Freezing point</b>	Not available.
<b>Auto-ignition temperature</b>	Not determined
<b>Specific gravity</b>	1 - 1.01
<b>VOC</b>	Not determined

## 10. STABILITY AND REACTIVITY

**Stability** Stable under recommended storage conditions.

**Materials to avoid** Strong acids, alkalies and oxidizing agents.



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**Hazardous decomposition products** Carbon dioxide, carbon monoxide, oxides of sulfur and nitrogen.  
**Hazardous polymerization** Will not occur.

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## 11. TOXICOLOGICAL INFORMATION

**Further information** Complete toxicity data are not available for this specific formulation. Refer to Section 3 for potential health effects and Section 4 for first aid measures.

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## 12. ECOLOGICAL INFORMATION

**Aquatic toxicity** This product has not been tested for ecological effects.

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## 13. DISPOSAL CONSIDERATIONS

**Disposal instructions** This product, in its present state, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste.

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## 14. TRANSPORT INFORMATION

### ADR

Not regulated as dangerous goods.

### IMDG

Not regulated as dangerous goods.

### IATA

**Proper shipping name** Not applicable  
**Hazard class** Not applicable  
**UN number** None  
**Packing group** N/A  
**Packaging exceptions** None

**General** Not a regulated article under United States DOT, IATA, ADR, IMDG, or RID.

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## 15. REGULATORY INFORMATION

**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.

### Labeling

**Contains** 1,2-benzisothiazolin-3-one (19.3%), Dipropylene glycol, Sodium hydroxide, Water

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## 16. OTHER INFORMATION

**Manufacturer information** Hewlett-Packard Company  
1000 NE Circle Boulevard  
Corvallis, OR 97330-4239 US  
(Direct) 1-503-494-7199  
(Toll-free within the US) 1-800-457-4209

**List of relevant R phrases** R22 Harmful if swallowed.  
R38 Irritating to skin.  
R41 Risk of serious damage to eyes.  
R43 May cause sensitization by skin contact.  
R50 Very toxic to aquatic organisms.

**Other information** This MSDS was prepared in compliance with EU Directive 91/155/EEC as amended by 2001/58/EC.



# SAFETY DATA SHEET

**Disclaimer**

This Safety Data Sheet document is provided without charge to customers of Hewlett-Packard Company. Data is the most current known to Hewlett-Packard Company 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.

**Issue date**

02-18-2009

**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