



MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name C5099A
Use of the preparation Inkjet printing
Version # 01
Revision date 02-18-2009
CAS # mixture
Company identification Hewlett-Packard Company
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Date prepared Feb 18, 2009
MSDS number 167198

2. Hazards Identification

Emergency overview This product is not classified as hazardous according to OSHA CFR 1910.1200 or EU Directive 1999/45/EC, as amended. No hazards resulting from the material as supplied.
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.

3. Composition / Information on Ingredients

Component/substance	CAS number	% by weight
Water	7732-18-5	< 100
1,2-benzisothiazolin-3-one (19.3%)	2634-33-5	< 0.05
Dipropylene glycol	25265-71-8	< 0.13
Sodium Hydroxide	1310-73-2	< 0.03

Composition comments This product is considered not hazardous under 29 CFR 1910.1200 (Hazard Communication).

4. First Aid Measures

First aid procedures
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.
Skin contact Wash affected areas thoroughly with mild soap and water. If irritation persists get medical attention.
Inhalation Move to fresh air. If symptoms persist, get medical attention.
Ingestion If symptoms occur, consult a physician.

5. Fire Fighting Measures

Flash point and method > 200 °F (> 93.3 °C); Pensky-Martens Closed Cup
Hazardous combustion products Oxides of carbon/nitrogen/sulfur, and water.



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Flammable properties	None known.
Extinguishing media	
Suitable extinguishing media	CO2, water, dry chemical, or foam
Unsuitable extinguishing media	None known.
Unusual fire and explosion hazard	None known.
Special firefighting procedures	None established.

6. Accidental Release Measures

Personal precautions	Avoid contact with skin
Environmental precautions	Do not let product enter drains. Do not flush into surface water or sanitary sewer system.
Other information	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.

7. Handling and Storage

Handling	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.
Storage	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

ACGIH

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

U.S. - OSHA

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

Exposure guidelines Exposure limits have not been established for this product.

Personal protective equipment

General	None established.
General hygiene considerations	None established.

9. Physical & Chemical Properties

Color	colorless
Odor threshold	Not available.
Physical state	Liquid.
pH	Not determined
Melting point	Not available.
Freezing point	Not available.
Boiling point	Not determined
Flash point	> 200 °F (> 93.3 °C); Pensky-Martens Closed Cup
Evaporation rate	Not determined



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Flammability	Not available.
Flammability limits in air, upper, % by volume	Not available.
Flammability limits in air, lower, % by volume	Not determined
Vapor pressure	Not determined
Vapor density	Not available.
Specific gravity	1 - 1.01
Relative density	Not available.
Solubility (water)	Soluble in water
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not determined
Decomposition temperature	Not available.
VOC	Not determined

10. Chemical Stability & Reactivity Information

Chemical stability	Stable under recommended storage conditions.
Incompatible materials	Strong acids, alkalies and oxidizing agents.
Hazardous decomposition products	Carbon dioxide, carbon monoxide, oxides of sulfur and nitrogen.
Possibility of hazardous reactions	Will not occur.

11. Toxicological Information

Symptoms and target organs

Target Organs (NIOSH)	
Sodium Hydroxide (1310-73-2)	Eyes
Sodium Hydroxide (1310-73-2)	Respiratory system
Sodium Hydroxide (1310-73-2)	Skin

12. Ecological Information

Aquatic toxicity	This product has not been tested for ecological effects.
Persistence and degradability	Not available.

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

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

US federal regulations US TSCA 12(b): Does not contain listed chemicals.

CERCLA (Superfund) reportable quantity

None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - No
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

Section 302 extremely hazardous substance No

Section 311 hazardous chemical No

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.

State regulations

US - Pennsylvania RTK - Hazardous Substances: Listed substance

Dipropylene glycol (25265-71-8) Listed.
Sodium Hydroxide (1310-73-2) Listed.

16. Other Information

HMIS® ratings Health: 0
Flammability: 0
Physical hazard: 0

NFPA ratings Health: 0
Flammability: 0
Instability: 0

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Revision 1

Replaces sheet dated Feb 10 2009 2:57AM

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.

MSDS sections updated Hazards Identification: Emergency overview



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Explanation of abbreviations

ACGIH	American Conference of Governmental Industrial Hygienists
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)
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
PEL	Permissible Exposure Limit
RCRA	Resource Conservation and Recovery Act
REC	Recommended
REL	Recommended Exposure Limit
SARA	Superfund Amendments and Reauthorization Act of 1986
STEL	Short-Term Exposure Limit
TCLP	Toxicity Characteristics Leaching Procedure
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
VOC	Volatile Organic Compounds

Manufacturer information

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