



# MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

**Material name** CM998Series  
**Version #** 03  
**Issue date** 12-Jul-2012  
**Revision date** 01-Oct-2013  
**Product use** Inkjet printing  
**CAS #** Mixture  
**Synonym(s)** Maintenance Kit  
**Company identification** Hewlett-Packard Company  
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United States  
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## 2. Hazards Identification

### Potential health effects

**Eyes** Unlikely to cause irritation under normal use conditions.  
**Skin** Unlikely to cause skin irritation.  
**Inhalation** Not an applicable route of entry for intended use.  
**Ingestion** Ingestion is not expected to be a primary route of exposure for this product under normal use conditions.

## 3. Composition / Information on Ingredients

Non-hazardous components	CAS #	Percent
Water	7732-18-5	> 10
Polyethylene glycol	25322-68-3	<90

**Composition comments** This product has been evaluated using criteria specified in 29 CFR 1910.1200 (Hazard Communication Standard).

## 4. First Aid Measures

**General advice** No information  
**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. Get medical attention if irritation develops or persists.  
**Inhalation** Remove to fresh air. If symptoms persist, get medical attention.  
**Ingestion** If ingestion of a large amount does occur, seek medical attention.

## 5. Fire Fighting Measures

**Flammable properties** None known.

<b>Extinguishing media</b>	
<b>Suitable extinguishing media</b>	Dry chemical, foam, carbon dioxide.
<b>Unsuitable extinguishing media</b>	None known.
<b>Fire fighting equipment/instructions</b>	Not available.
<b>Specific methods</b>	Do not direct a solid stream of water or foam into hot, burning pools; this may result in frothing and increase fire intensity.
<b>Hazardous combustion products</b>	Refer to section 10.

## 6. Accidental Release Measures

<b>Personal precautions</b>	Wear appropriate personal protective equipment.
<b>Environmental precautions</b>	Do not let product enter drains. Do not flush into surface water or sanitary sewer system.
<b>Other information</b>	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.

## 7. Handling and Storage

<b>Handling</b>	Avoid contact with skin, eyes and clothing.
<b>Storage</b>	Keep out of the reach of children. Keep away from excessive heat or cold.

## 8. Exposure Controls / Personal Protection

### Occupational exposure limits

#### US. AIHA Workplace Environmental Exposure Level (WEEL) Guides

Components	Type	Value	Form
Polyethylene glycol (CAS 25322-68-3)	TWA	10 mg/m3	Particulate.

<b>Exposure guidelines</b>	Exposure limits have not been established for this product.
<b>Engineering controls</b>	Use in a well ventilated area.
<b>Personal protective equipment</b>	
<b>General</b>	Use personal protective equipment to minimize exposure to skin and eye.
<b>General hygiene considerations</b>	Handle in accordance with good industrial hygiene and safety practice.

## 9. Physical & Chemical Properties

<b>Appearance</b>	Clear liquid
<b>Physical state</b>	Liquid.
<b>Form</b>	Not available.
<b>Color</b>	Clear.
<b>Odor</b>	Not available.
<b>pH</b>	Not Applicable
<b>Vapor pressure</b>	Not available.
<b>Boiling point</b>	Not available.
<b>Melting point/Freezing point</b>	Not available.
<b>Solubility (water)</b>	Soluble in water
<b>Specific gravity</b>	Not available.
<b>Flash point</b>	Not available.
<b>VOC</b>	< 880 mg/l
<b>Other information</b>	No information available

## 10. Chemical Stability & Reactivity Information

<b>Chemical stability</b>	Stable under recommended storage conditions.
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<b>Conditions to avoid</b>	No information available
<b>Incompatible materials</b>	Incompatible with strong bases and oxidizing agents.
<b>Hazardous decomposition products</b>	aldehydes
<b>Possibility of hazardous reactions</b>	Will not occur.

## 11. Toxicological Information

<b>Carcinogenicity</b>	No data available.
<b>Serious eye damage/eye irritation</b>	Mild irritant in rabbit
	Not classified as an irritant, according to OSHA Hazard Communication Standard (HCS).
<b>Further information</b>	Refer to Section 2 for potential health effects and Section 4 for first aid measures.

## 12. Ecological Information

**Aquatic toxicity** LC50/48h/daphnia =>10000 mg/L

### Ecotoxicological data

Components	Species	Test Results
Polyethylene glycol (CAS 25322-68-3)		
<b>Aquatic</b>		
Fish	LC50 Atlantic salmon ( <i>Salmo salar</i> )	> 1000 mg/l, 96 hours

**Ecotoxicity** No data available.

**Persistence and degradability** Not available.

## 13. Disposal Considerations

**Disposal instructions** Dispose of in compliance with federal, state, and local regulations.

## 14. Transport Information

### DOT

Not regulated as dangerous goods.

### IATA

Not regulated as dangerous goods.

### IMDG

Not regulated as dangerous goods.

### RID

Not regulated as dangerous goods.

**Further information** Not a dangerous good under DOT, IATA, ADR, IMDG, or RID.

## 15. Regulatory Information

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

### Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and Chemical Code Number

Not listed.

### Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))

Not regulated.

### DEA Exempt Chemical Mixtures Code Number

Not regulated.

### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

### CERCLA (Superfund) reportable quantity

None

## Superfund Amendments and Reauthorization Act of 1986 (SARA)

<b>Hazard categories</b>	Immediate Hazard - No Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No
<b>SARA 302 Extremely hazardous substance</b>	No
<b>SARA 311/312 Hazardous chemical</b>	No
<b>Other information</b>	VOC content (less water, less exempt compounds) = < 1000 g/L (U.S. requirement, not for emissions)
<b>Other regulations</b>	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.
<b>State regulations</b>	
<b>US. Massachusetts RTK - Substance List</b>	Not regulated.
<b>US. Pennsylvania RTK - Hazardous Substances</b>	Not regulated.
<b>US. Rhode Island RTK</b>	Not regulated.

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## 16. Other Information

<b>HMIS® ratings</b>	Health: 1 Flammability: 1 Physical hazard: 0
<b>NFPA ratings</b>	Health: 1 Flammability: 1 Instability: 0
<b>Disclaimer</b>	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.
<b>Other information</b>	This MSDS was prepared in accordance with USA OSHA Hazard Communications regulation (29 CFR 1910.1200).
<b>Issue date</b>	12-Jul-2012
<b>Manufacturer information</b>	Hewlett-Packard Company 3000 Hanover Street Palo Alto, California 94304-1112 US (Direct) 1-503-494-7199 (Toll-free within the US) 1-800-457-4209

## 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