



# MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

**Material name** C5057ACLEANERONLY  
**Version #** 01  
**Issue date** 13-Aug-2013  
**Product use** Inkjet printing  
**CAS #** N/A  
**Company identification** Hewlett-Packard Company  
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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.

### Other hazards

Potential routes of exposure to this product are skin and eye contact, ingestion, and inhalation.

Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash). Vapors irritating to eyes and respiratory tract. Inhalation of mists/vapors of this product may cause dizziness, nausea, and respiratory tract congestion. 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

Non-hazardous components	CAS #	Percent
Polyethylene glycol	25322-68-3	<100

**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. If irritation persists get medical attention.  
**Inhalation** Move to fresh air. If symptoms persist, get medical attention.  
**Ingestion** If ingestion of a large amount does occur, seek medical attention.

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## 5. Fire Fighting Measures

<b>Flammable properties</b>	None known.
<b>Extinguishing media</b>	
<b>Suitable extinguishing media</b>	CO2, water, dry chemical, or foam.
<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.

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## 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.

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## 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.

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## 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>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.

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## 9. Physical & Chemical Properties

<b>Appearance</b>	Not available.
<b>Physical state</b>	Not available.
<b>Form</b>	Not available.
<b>Color</b>	Not available.
<b>Odor</b>	Not available.
<b>pH</b>	Not Applicable
<b>Vapor pressure</b>	< 0.01 mm Hg 20 degrees C
<b>Boiling point</b>	> 392 °F (> 200 °C)
<b>Melting point/Freezing point</b>	Not available.
<b>Solubility (water)</b>	Soluble in water
<b>Specific gravity</b>	1 - 1.2
<b>Flash point</b>	> 424.40 °F (> 218.00 °C)
<b>VOC</b>	0 g/l
<b>Other information</b>	For other VOC regulatory data/information see Section 15.

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## 10. Chemical Stability & Reactivity Information

<b>Chemical stability</b>	Stable under recommended storage conditions.
<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.

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## 11. Toxicological Information

<b>Acute effects</b>	LD50/oral/rat >31700 mg/kg
<b>Skin corrosion/irritation</b>	Not classified as an irritant, according to OSHA Hazard Communication Standard (HCS). Mild irritant in rabbit
<b>Serious eye damage/eye irritation</b>	Not classified as an irritant, according to OSHA Hazard Communication Standard (HCS). Mild irritant in rabbit
<b>Further information</b>	Refer to Section 2 for potential health effects and Section 4 for first aid measures.

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## 12. Ecological Information

<b>Aquatic toxicity</b>	LC50/48h/daphnia =>10000 mg/L
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### 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

<b>Persistence and degradability</b>	Not available.
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## 13. Disposal Considerations

<b>Disposal instructions</b>	Do not allow this material to drain into sewers/water supplies. Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.
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## 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.

<b>Further information</b>	Not a dangerous good under DOT, IATA, ADR, IMDG, or RID.
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## 15. Regulatory Information

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

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

**SARA 302 Extremely hazardous substance** No

**SARA 311/312 Hazardous chemical** No

**Other information** Exposure Limits (See Section 8): Executive regulation of Minister of Labour and Social Policy dated Nov. 29, 2002 concerning the highest exposure limits and volume of factors harmful for health and environment at work (Official Journal of Laws no 217/2002 item 1833 with further amendments).

VOC content (less water, less exempt compounds) = 0 g/L (U.S. requirement, not for emissions)

**Other 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/NDL), Australia, Japan, Philippines, South Korea, New Zealand, and China.

**State regulations****US. Massachusetts RTK - Substance List**

Not regulated.

**US. Pennsylvania RTK - Hazardous Substances**

Not regulated.

**US. Rhode Island RTK**

Not regulated.

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**16. Other Information**

**HMIS® ratings** Health: 0  
Flammability: 1  
Physical hazard: 0

**NFPA ratings** Health: 0  
Flammability: 1  
Instability: 0

**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.

**Other information** This MSDS was prepared in accordance with USA OSHA Hazard Communications regulation (29 CFR 1910.1200).

**Issue date** 13-Aug-2013

**This data sheet contains changes from the previous version in section(s):** Hazards Identification: Other hazards  
4. First Aid Measures: Skin contact  
4. First Aid Measures: Inhalation  
5. Fire Fighting Measures: Suitable extinguishing media  
Physical & Chemical Properties: Multiple Properties  
9. Physical & Chemical Properties: Other information  
11. Toxicological Information: Acute effects  
11. Toxicological Information: Serious eye damage/eye irritation  
11. Toxicological Information: Corrosivity  
13. Disposal Considerations: Disposal instructions  
Regulatory Information: United States  
15. Regulatory Information: Other information  
HazReg Data: Europe - EU

**Manufacturer information**

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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