



MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name C3825A
Use of the preparation Inkjet printing
Version # 05
Revision date 08-11-2008
CAS # Mixture
Manufacturer information Hewlett-Packard Company
1000 NE Circle Boulevard
Corvallis, OR 97330-4239 US
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Hewlett-Packard health effects line
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General information telephone number
HP Customer Care Line 1-800-474-6836
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Date prepared Aug 11, 2008

2. Hazards Identification

Emergency overview Contact with skin and eyes may result in irritation.

Acute health effects
Any potential hazards are presumed to be due to exposure to the components.

Potential health effects
Routes of exposure 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.
Complete toxicity data are not available for this specific formulation

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
Cyan ink		
Water	7732-18-5	< 90
1,5-pentanediol	111-29-5	< 10
Ethoxylated acetylenic diol	Proprietary	< 2.5
Substituted triphenylmethane salt #1	Proprietary	< 2.5
Magenta ink		
Water	7732-18-5	< 90
1,5-pentanediol	111-29-5	< 10
Ethoxylated acetylenic diol	Proprietary	< 2.5
Substituted xanthylum salt #1	Proprietary	< 2.5



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Yellow ink

Water	7732-18-5	< 90
1,5-pentanediol	111-29-5	< 10
Ethoxylated acetylenic diol	Proprietary	< 2.5

Composition comments

This ink supply contains an aqueous ink formulation.
This product has been evaluated using criteria specified in 29 CFR 1910.1200 (Hazard Communication Standard).

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, consult a physician.
Skin contact	Wash affected areas thoroughly with mild soap and water. Get medical attention if irritation develops or persists.
Inhalation	Move 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

Flash point and method	> 200 °F (> 93.3 °C); Pensky-Martens Closed Cup <i>Cyan ink</i> > 200 °F (> 93.3 °C); Pensky-Martens Closed Cup <i>Magenta ink</i> > 200 °F (> 93.3 °C); Pensky-Martens Closed Cup <i>Yellow ink</i> > 200 °F (> 93.3 °C); Pensky-Martens Closed Cup
Hazardous combustion products	Refer to section 10. <i>Cyan ink</i> Refer to section 10. <i>Magenta ink</i> Refer to section 10. <i>Yellow ink</i> Refer to section 10.
Flammable properties	None known.
Extinguishing media	
Suitable extinguishing media	Dry chemical, CO2, water spray or regular foam.
Unsuitable extinguishing media	None known.
Unusual fire and explosion hazard	None known. <i>Cyan ink</i> None known. <i>Magenta ink</i> None known. <i>Yellow ink</i> None known.
Protection of firefighters	
Specific hazards arising from the chemical	None known..



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Special firefighting procedures None established.
Cyan ink
None established.
Magenta ink
None established.
Yellow ink
None established.

6. Accidental Release Measures

Personal precautions Wear appropriate personal protective equipment.
Environmental precautions Do not let product enter drains. Do not flush into surface water or sanitary sewer system.
Methods for containment 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.
Methods for cleaning up Soak up with inert absorbent material.
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. See also section 13 Disposal considerations.

7. Handling and Storage

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

8. Exposure Controls / Personal Protection

Exposure guidelines Exposure limits have not been established for this product.
Personal protective equipment
General Use personal protective equipment to minimize exposure to skin and eye.
General hygiene considerations Handle in accordance with good industrial hygiene and safety practice.

9. Physical & Chemical Properties

Color Cyan, magenta, yellow
Cyan ink
Cyan, magenta, yellow
Magenta ink
Cyan, magenta, yellow
Yellow ink
Cyan, magenta, yellow
Odor threshold Not available.
Cyan ink
Not available.
Magenta ink
Not available.
Yellow ink
Not available.
Physical state Liquid.
Cyan ink
Liquid.
Magenta ink
Liquid.
Yellow ink
Liquid.



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pH	6 - 8 <i>Cyan ink</i> 6.7 - 7.3 <i>Magenta ink</i> 6.7 - 7.3 <i>Yellow ink</i> 6.7 - 7.3
Melting point	Not available. <i>Cyan ink</i> Not available. <i>Magenta ink</i> Not available. <i>Yellow ink</i> Not available.
Freezing point	Not available. <i>Cyan ink</i> Not available. <i>Magenta ink</i> Not available. <i>Yellow ink</i> Not available.
Boiling point	Not determined <i>Cyan ink</i> Not determined <i>Magenta ink</i> Not determined <i>Yellow ink</i> Not determined
Flash point	> 200 °F (> 93.3 °C); Pensky-Martens Closed Cup <i>Cyan ink</i> > 200 °F (> 93.3 °C); Pensky-Martens Closed Cup <i>Magenta ink</i> > 200 °F (> 93.3 °C); Pensky-Martens Closed Cup <i>Yellow ink</i> > 200 °F (> 93.3 °C); Pensky-Martens Closed Cup
Evaporation rate	Not determined <i>Cyan ink</i> Not determined <i>Magenta ink</i> Not determined <i>Yellow ink</i> Not determined
Flammability	Not available. <i>Cyan ink</i> Not available. <i>Magenta ink</i> Not available. <i>Yellow ink</i> Not available.



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Flammability limits in air, upper, % by volume

Not available.

Cyan ink

Not available.

Magenta ink

Not available.

Yellow ink

Not available.

Flammability limits in air, lower, % by volume

Not determined

Cyan ink

Not determined

Magenta ink

Not determined

Yellow ink

Not determined

Vapor pressure

Not determined

Cyan ink

Not determined

Magenta ink

Not determined

Yellow ink

Not determined

Vapor density

> 1 (air = 1.0)

Cyan ink

> 1 (air = 1.0)

Magenta ink

> 1 (air = 1.0)

Yellow ink

> 1 (air = 1.0)

Specific gravity

1 - 1.2

Cyan ink

1 - 1.2

Magenta ink

1 - 1.2

Yellow ink

1 - 1.2

Relative density

Not available.

Cyan ink

Not available.

Magenta ink

Not available.

Yellow ink

Not available.

Solubility in water

Soluble in water

Cyan ink

Soluble in water

Magenta ink

Soluble in water

Yellow ink

Soluble in water



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

Magenta ink
Not available.

Yellow ink
Not available.

Auto-ignition temperature Not available.

Cyan ink
Not available.

Magenta ink
Not available.

Yellow ink
Not available.

Decomposition temperature Not available.

Cyan ink
Not available.

Magenta ink
Not available.

Yellow ink
Not available.

VOC < 3 %

Cyan ink
< 3 %

Magenta ink
< 3 %

Yellow ink
< 3 %

Viscosity > 2 cp

Cyan ink
> 2 cp

Magenta ink
> 2 cp

Yellow ink
> 2 cp

10. Chemical Stability & Reactivity Information

Chemical stability Stable under recommended storage conditions.

Incompatible materials Incompatible with strong bases and oxidizing agents.

Hazardous decomposition products

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

Possibility of hazardous reactions Will not occur.

11. Toxicological Information

Not available.

12. Ecological Information

Persistence and degradability Not available.



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13. Disposal Considerations

Disposal instructions Dispose of in compliance with federal, state, and local regulations. HP's Planet Partners (trademark) supplies recycling program enables simple, convenient recycling of HP original inkjet and LaserJet supplies. For more information and to determine if this service is available in your location, please visit <http://www.hp.com/recycle>.

14. Transport Information

IATA

Proper shipping name	Not applicable
Hazard class	Not applicable
UN number	None
Packing group	N/A
Packaging exceptions	None
Packaging non bulk	None
Labels required	None

15. Regulatory Information

US federal regulations US EPA 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.

16. Other Information

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

NFPA ratings Health: 1
Flammability: 1
Instability: 0

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Revision 5

Replaces sheet dated Jul 27 2008 2:15PM

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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