



MATERIAL SAFETY DATA SHEET

1. Chemical Product and Company Identification

Material name C9352 Series
Use of the preparation Inkjet printing
Version # 07
Revision date 01-Apr-2008
CAS # Mixture
Manufacturer information Hewlett-Packard Company
1000 NE Circle Boulevard
Corvallis, OR 97330-4239 US

Hewlett-Packard health effects line

(Toll-free within the US) 1-800-457-4209

(Direct) 1-503-494-7199

General information telephone number

HP Customer Care Line 1-800-474-6836

(Toll-free) 1-800-474-6836

(Direct) 1-208-323-2551

Date prepared Apr 01, 2008

MSDS number 265446

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.

Skin contact

1,5-pentanediol

Contact with skin may result in irritation.

2-pyrrolidone

Contact with skin may result in irritation.

Alkyldiol ethoxylate

Contact with skin may result in severe irritation.

Amino alkyldiol

Contact with skin may result in irritation.

Ammonium nitrate

Contact with skin may result in irritation.

Ethyl alkyldiol

Contact with skin may result in mild irritation.

Metal nitrate # 2

Contact with skin may result in irritation.





MATERIAL SAFETY DATA SHEET

Eye contact

1,5-pentanediol

Contact with eyes may result in irritation.

2-pyrrolidone

Contact with eyes may result in irritation.

Alkyldiol ethoxylate

Contact can cause moderate to severe irritation and possible injury to the eyes.

Amino alkyldiol

Contact with eyes may result in irritation.

Ammonium nitrate

Contact with eyes may result in irritation.

Ethyl alkyldiol

Contact with eyes may result in mild irritation.

Metal nitrate # 2

Contact with eyes may result in irritation.

Inhalation

2-pyrrolidone

Inhalation may result in respiratory irritation.

Amino alkyldiol

Inhalation may result in respiratory irritation.

Ammonium nitrate

Inhalation may result in respiratory irritation.

Metal nitrate # 2

Inhalation may result in respiratory irritation.

Ingestion

2-pyrrolidone

Ingestion may result in nausea, vomiting and diarrhea.

Alkyldiol ethoxylate

Ingestion may cause irritation of mouth, throat, nausea, vomiting and diarrhea.

Ammonium nitrate

Contains nitrate salts, may cause methemoglobinemia.

Metal nitrate # 2

Contains nitrate salts, may cause methemoglobinemia.

Substituted phthalocyanine salt # 2

Harmful if swallowed.

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





MATERIAL SAFETY DATA SHEET

3. Composition / Information on Ingredients

Component/Substance	CAS Number	% By Weight
Cyan ink		
Water	7732-18-5	> 60
1,5-pentanediol	111-29-5	< 10
Ethyl alkylidol	Proprietary	< 7.5
2-pyrrolidone	616-45-5	< 7.5
Metal nitrate # 2	Proprietary	< 7.5
Alkylidol ethoxylate	Proprietary	< 2.5
Substituted phthalocyanine salt # 2	Proprietary	< 2.5
Ammonium nitrate	6484-52-2	< 2.5
Magenta ink		
Water	7732-18-5	> 60
1,5-pentanediol	111-29-5	< 10
Ethyl alkylidol	Proprietary	< 7.5
2-pyrrolidone	616-45-5	< 7.5
Metal nitrate # 2	Proprietary	< 7.5
Alkylidol ethoxylate	Proprietary	< 2.5
Amino alkylidol	Proprietary	< 2.5
Ammonium nitrate	6484-52-2	< 2.5
Yellow ink		
Water	7732-18-5	> 60
1,5-pentanediol	111-29-5	< 10
Ethyl alkylidol	Proprietary	< 7.5
2-pyrrolidone	616-45-5	< 7.5
Metal nitrate # 2	Proprietary	< 7.5
Alkylidol ethoxylate	Proprietary	< 2.5
Ammonium nitrate	6484-52-2	< 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 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.

5. Fire Fighting Measures

Flash point and method	> 200 °F (> 93.3 °C); Pensky-Martens Closed Cup
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MATERIAL SAFETY DATA SHEET

Unsuitable extinguishing media None known.

Unusual fire and explosion hazard None known.

Special firefighting procedures 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.

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

Appearance Not Available

Color Cyan, magenta, yellow

Odor Not Available

Odor threshold Not available

Physical state Liquid.

Form Not Available

pH 6.5 - 8.75

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





MATERIAL SAFETY DATA SHEET

Vapor density	> 1 (air = 1.0)
Specific gravity	1 - 1.2
Relative density	Not available
Solubility in water	Soluble in water
Partition coefficient (n-octanol/water)	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
VOC	< 3 %
Viscosity	> 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

Toxicological information	Refer to Section 3 for potential health effects and Section 4 for first aid measures. <i>Cyan ink</i> Refer to Section 3 for potential health effects and Section 4 for first aid measures. <i>Magenta ink</i> Refer to Section 3 for potential health effects and Section 4 for first aid measures. <i>Yellow ink</i> Refer to Section 3 for potential health effects and Section 4 for first aid measures.
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12. Ecological Information

Aquatic toxicity

Cyan ink
LC50/96h/Fathead minnows =< 400 mg/L
Static acute toxicity (trout), survival (100 mg/L) = 100%
Static acute toxicity (trout), survival (10 mg/L) = 100%

Magenta ink
LC50/96h/Fathead minnows =< 400 mg/L
Static acute toxicity (trout), survival (100 mg/L) = 100%
Static acute toxicity (trout), survival (10 mg/L) = 100%

Yellow ink
LC50/96h/Fathead minnows =< 400 mg/L





MATERIAL SAFETY DATA SHEET

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. Transportation Information

Department of Transportation (DOT) Requirements

Not regulated as hazardous goods.

IATA

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

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

State regulations

U.S. - Pennsylvania - RTK (Right to Know) List
Metal nitrate # 2 Proprietary Present
U.S. - New Jersey - Right to Know Hazardous Substance List
Metal nitrate # 2 Proprietary sn 1143

16. Other Information





MATERIAL SAFETY DATA SHEET

Revision

7

Replaces sheet dated

Mar 26 2008 7:41AM

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.

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

