



MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name CB318 Series
Use of the preparation Inkjet printing
Version # 04
Revision date 08-08-2008
CAS # Mixture
Manufacturer information Hewlett-Packard Company
1000 NE Circle Boulevard
Corvallis, OR 97330-4239 US
(Direct) 1-503-494-7199
(Toll-free within the US) 1-800-457-4209

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 Aug 08, 2008
MSDS number 305568

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 |
|------------------------------------|-------------|-----------------|
| Water | 7732-18-5 | 68.332449999999 |
| 1,5-pentanediol | 111-29-5 | < 10 |
| 1-(2-hydroxyethyl)-2-pyrrolidone | 3445-11-2 | < 10 |
| Ethyl alkyldiol | Proprietary | < 10 |
| Metal nitrate # <@1> | Proprietary | < 10 |
| Substituted phthalocyanine salt #5 | Proprietary | < 10 |
| Aliphatic diol | 629-11-8 | < 2.5 |
| Phenylenediamine derivative | 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).



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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 |
| Hazardous combustion products | Refer to section 10. |
| 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 | 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

| | |
|-----------------------|----------------|
| Color | Cyan/Blue |
| Odor threshold | Not available. |
| Physical state | Not available. |
| Form | liquid |
| pH | 7.2 - 7.4 |
| Melting point | Not available. |
| Freezing point | Not available. |
| Boiling point | Not determined |



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| | |
|--|---|
| Flash point | > 200 °F (> 93.3 °C); Pensky-Martens Closed Cup |
| Evaporation rate | Not determined |
| 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 | 1 (air = 1.0) |
| Specific gravity | Not determined |
| Relative density | Not available. |
| Solubility in water | Soluble in water |
| Partition coefficient (n-octanol/water) | Not available. |
| Auto-ignition temperature | Not Determined |
| Decomposition temperature | Not available. |
| VOC | 3 % w/w |

10. Chemical Stability & Reactivity Information

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|------------------------------------|---|
| 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

| | |
|-------------------------------|---|
| Aquatic toxicity | LC50/96h/Fathead minnows =463 mg/L Static acute toxicity (trout), survival (100 mg/L) = 100% Static acute toxicity (trout), survival (10 mg/L) = 100% |
| Persistence and degradability | Not available. |

13. Disposal Considerations

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|-----------------------|---|
| 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 |
| Packing group | None |

15. Regulatory Information

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



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US EPCRA (SARA Title III) Section 313 - Toxic Chemical: De minimis concentration

Metal nitrate # <@1> (Proprietary) 1.0 % N511

US EPCRA (SARA Title III) Section 313 - Toxic Chemical: Listed substance

Metal nitrate # <@1> (Proprietary) N511 Listed.

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**US - New Jersey Community RTK (EHS Survey): Listed substance**

Metal nitrate # <@1> (Proprietary) Substance no. 3722

US - New Jersey Community RTK (EHS Survey): Reportable threshold

Metal nitrate # <@1> (Proprietary) 500 LBS

US - Pennsylvania RTK - Hazardous Substances: Listed substance

Metal nitrate # <@1> (Proprietary) Listed.

16. Other Information

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

NFPA ratings Health: 1
Flammability: 1
Instability: 0

Issue date Aug 8 2008 3:02PM

Revision 4

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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 |