



# Material Safety Data Sheet

---

## 1. Product and Company Identification

Material name	CH615Series
Use of the preparation	Inkjet printing
Version #	02
Revision date	10-Oct-2009
CAS #	Mixture
Synonym(s)	Black ink
Company identification	Hewlett-Packard Company 3000 Hanover Street Palo Alto, CA 94304-1185 United States Telephone 650-857-1501  Hewlett-Packard health effects line (Toll-free within the US) 1-800-457-4209 (Direct) 1-503-494-7199 HP Customer Care Line (Toll-free within the US) 1-800-474-6836 (Direct) 1-208-323-2551 Email: hpcustomer.inquiries@hp.com
Date prepared	Oct 09, 2009
MSDS number	526522

---

## 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	<i>2-pyrrolidone</i> Contact with skin may result in irritation. <i>Substituted diol</i> Contact with skin may result in irritation.
Eye contact	<i>2-pyrrolidone</i> Contact with eyes may result in irritation. <i>Substituted diol</i> Contact with eyes may result in irritation.
Inhalation	<i>2-pyrrolidone</i> Inhalation may result in respiratory irritation.
Ingestion	<i>2-pyrrolidone</i> Ingestion may result in nausea, vomiting and diarrhea.
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	Carbon black is classified by the IARC as a Group 2B carcinogen (the substance is possibly carcinogenic to humans). Carbon black in this preparation, due to its bound form, does not present this carcinogenic risk. None of the other ingredients in this preparation are classified as carcinogens according to ACGIH, EU, IARC, MAK, NTP or OSHA.



# Material Safety Data Sheet

## 3. Composition / Information on Ingredients

Component/substance	CAS number	% by weight
Water	7732-18-5	> 60
2-pyrrolidone	616-45-5	< 20
Substituted diol	Proprietary	< 10
Modified Carbon Black 35	Not Available	< 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).

Carbon black is present only in a bound form in this preparation.

## 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

> 230 °F (> 110 °C); Pensky-Martens Closed Cup

### Hazardous combustion products

Refer to section 10.

### Flammable properties

None known.

### Extinguishing media

#### Suitable extinguishing media

Dry chemical, CO<sub>2</sub>, water spray or regular 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.



# Material Safety Data Sheet

**General hygiene considerations**

Handle in accordance with good industrial hygiene and safety practice.

---

## 9. Physical & Chemical Properties

Color	Black
Odor threshold	Not available.
Physical state	Liquid.
pH	7.5 - 8.5
Melting point	Not determined
Freezing point	Not available.
Boiling point	Not determined
Flash point	> 230 °F (> 110 °C); Pensky-Martens Closed Cup
Evaporation rate	Not available.
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	Not available.
Specific gravity	1 - 1.1
Relative density	Not determined
Solubility (water)	Soluble in water
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not determined
Decomposition temperature	Not available.
VOC	Not determined

---

## 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

Carcinogenicity	Carbon black is classified as a carcinogen by the IARC (possibly carcinogenic to humans, Group 2B) and by the State of California under Proposition 65. In their evaluations of carbon black, both organizations indicate that exposure to carbon black, per se, does not occur when it remains bound within a product matrix, specifically, rubber, ink, or paint. Carbon black is present only in a bound form in this preparation.
-----------------	---

---

## 12. Ecological Information

Aquatic toxicity	This product has not been tested for ecological effects.
Persistence and degradability	Not available.



# 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. Transport Information

### IATA

Not regulated as dangerous goods.

### General

Not a dangerous good under United States DOT, IATA, ADR, IMDG, or RID.

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

### State regulations

#### US - Pennsylvania RTK - Hazardous Substances: Listed substance

2-pyrrolidone (616-45-5)

Listed.

## 16. Other Information

### HMIS® ratings

Health: 1  
Flammability: 1  
Physical hazard: 0

### NFPA ratings

Health: 1  
Flammability: 1  
Instability: 0

### Issue date

Oct 9 2009 10:22AM

### Revision

2

### Replaces sheet dated

Oct 9 2009 7:54AM

### 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

### Other information

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



# Material Safety Data Sheet

## 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.

## MSDS sections updated

12. Ecological Information: Persistence / degradability  
14. Transport Information: General

## 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