

1. Chemical Product and Company Identification

Material name C9385

Use of the preparation Inkjet printing

Version # 01

 Revision date
 02-Nov-2007

 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
 Nov 02, 2007

MSDS number 73724

2. Hazards Identification

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

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

Skin contact

2-pyrrolidone

Contact with skin may result in irritation.

Substituted diol

Contact with skin may result in irritation.

Tetraethylene glycol

Contact with skin may result in irritation.

Eye contact

2-pyrrolidone

Contact with eyes may result in irritation.

Substituted diol

Contact with eyes may result in irritation.

Tetraethylene glycol

Contact with eyes may cause irritation.

Inhalation

2-pyrrolidone

Inhalation may result in respiratory irritation.

Tetraethylene glycol

Inhalation may result in respiratory irritation.

Ingestion

2-pyrrolidone

Ingestion may result in nausea, vomiting and diarrhea.

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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

Carbon Black: Chronic inhalation studies performed with fine dust particles resulted in lung tumors in animals. The IARC classification was based upon these results. IARC also concluded "there is inadequate evidence in humans for the carcinogenicity of carbon black." Inhalation of fine dust particles is not expected to occur during normal conditions of use of this ink.

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 2-pyrrolidone	7732-18-5 616-45-5	> 70 < 20
Modified Carbon Black #11 Substituted diol		< 5
Tetraethylene glycol	Proprietary 112-60-7	< 5 < 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).	

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. Get medical attention if irritation

develops or persists.

Inhalation Remove 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); Setaflash Closed Tester

Hazardous combustion products

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.

Special firefighting

None established

procedures



. 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

GeneralUse personal protective equipment to minimize exposure to skin and eye.

General hygeine considerations Handle in accordance with good industrial hygiene and safety practice.

Physical & Chemical Properties

Color Black

Odor threshold Not available

Physical state Not available

pH 9.3 - 9.7

Melting point Not available

Freezing point

Not available

Boiling point

Not determined

Flash point > 200 °F (> 93.3 °C); Setaflash Closed Tester

Evaporation rateNot determined **Flammability**Not available.

Flammability limits in air, upper, % by volume

r, Not available

Flammability limits in air,

lower, % by volume

Not determined

Vapor pressureNot determinedVapor 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

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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

Not available

12. Ecological Information

Aquatic toxicity

LC50/96h/Fathead minnows => 750 mg/L

Persistence and degradability

Not available

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): Contains sodium nitrite (CASRN 7632-00-0), subject to export notification

requirements.

CERCLA (Superfund) reportable quantity

None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Immediate Hazard - No Delayed Hazard - No Fire Hazard - Yes Pressure Hazard - No Reactivity Hazard - No

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Section 302 extremely hazardous substance

Section 311 hazardous chemical

Yes

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

U.S. - Pennsylvania - RTK (Right to Know) List

2-pyrrolidone

616-45-5

Present

16. Other Information

HMIS® ratings Health: 1

> Flammability: 2 Physical hazard: 0

NFPA ratings Health: 1

Flammability: 2 Instability: 0

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Revision 1

Replaces sheet dated

May 24 2006 9:14AM

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.

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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

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 Cont

TSCA Toxic Substances Control Act
VOC Volatile Organic Compounds