



MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name CD399 Series
Version # 07
Issue date 16-Apr-2010
Revision date 07-Jun-2013
Supersedes date 07-Jun-2013
Synonym(s) HP DS100 Specialty Textile Scitex Ink
Company identification Hewlett-Packard Company
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2. Hazards Identification

Potential health effects

Skin Harmful if absorbed through skin. Contact with skin may result in irritation and Harmful if absorbed through the skin.
Inhalation Harmful if inhaled. Inhalation may result in respiratory irritation.

3. Composition / Information on Ingredients

Hazardous components	CAS #	Percent
Ethylene Glycol, Monobutyl Ether Acetate	112-07-2	<80
Non-hazardous components	CAS #	Percent
Dye(s)	Trade Secret	<15
Copolymer	Trade Secret	<10
Additives	Trade Secret	<6

4. First Aid Measures

General advice No information
First aid procedures
Eye contact In case of contact, immediately flush eyes with large amounts of water, continuing to flush for 15 minutes. If irritation persists get medical attention.
Skin contact In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. If irritation persists get medical attention. Remove and isolate contaminated clothing and shoes. Thoroughly wash (or discard) clothing and shoes before reuse.
Inhalation Move to fresh air. If symptoms persist, get medical attention.
Ingestion If swallowed, seek medical advice immediately and show this container or label.
Notes to physician Treat symptomatically.

5. Fire Fighting Measures

Flammable properties	None known.
Extinguishing media	
Suitable extinguishing media	CO2, water, dry chemical, or foam
Unsuitable extinguishing media	Water may be ineffective. Do not use a solid water stream as it may scatter and spread fire.
Fire fighting equipment/instructions	Firefighters should wear full protective clothing including self contained breathing apparatus.
Specific methods	Water mist may be used to cool closed containers.
Hazardous combustion products	Carbon monoxide and carbon dioxide.

6. Accidental Release Measures

Methods for cleaning up	Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).
Other information	Soak up with inert absorbent material. Dispose of in compliance with federal, state, and local regulations.

7. Handling and Storage

Handling	Avoid breathing vapors or mists of this product. Avoid contact with skin, eyes and clothing. Do not taste or swallow. Keep away from heat, sparks and open flame - No smoking. Use only with adequate ventilation. Wash thoroughly after handling. Avoid contact of this material with heat, oxidizing agents, and acids.
Storage	Store in accordance with local/regional/national/international regulation. Keep in a well-ventilated place. Keep container closed when not in use. Store this product in air-tight containers away from sources of heat and light.

8. Exposure Controls / Personal Protection

Occupational exposure limits

US. ACGIH Threshold Limit Values

Components	Type	Value
Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)	TWA	20 ppm

U.S. - NIOSH

Material	Type	Value
CD399 Series	REL	5 ppm

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)	TWA	33 mg/m ³
		5 ppm

Exposure guidelines	None established.
Engineering controls	Use in a well ventilated area. Ensure adequate ventilation, especially in confined areas. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Additional area ventilation or local exhaust may be required to maintain air concentrations below recommended exposure limits.
Personal protective equipment	
Eye / face protection	Avoid contact with eyes Wear safety glasses; chemical goggles (if splashing is possible).
Skin protection	Use personal protective equipment to minimize exposure to skin and eye.

9. Physical & Chemical Properties

Appearance	Liquid.
Physical state	Not available.
Form	Not available.
Color	Cyan
Odor	Not available.
pH	Not applicable.
Vapor pressure	Not determined.
Boiling point	Not determined.
Melting point/Freezing point	Not determined.
Solubility (water)	Not available.
Specific gravity	0.94 @ 20 Degrees C
Flash point	168.80 °F (76.00 °C) Closed Cup
VOC	< 850 g/L
Other information	For other VOC regulatory data/information see Section 15.

10. Chemical Stability & Reactivity Information

Chemical stability	Stable at normal conditions
Conditions to avoid	No information available
Incompatible materials	strong oxidizing agents Strong acids and strong alkalis. oxidizing agents
Hazardous decomposition products	None known.
Possibility of hazardous reactions	Will not occur.

11. Toxicological Information

Toxicological data

Components	Species	Test Results
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Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)

Acute

Dermal

LD50	Rabbit	1500 mg/kg
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Oral

LD50	Rat	2400 mg/kg
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Other

LD50	Mouse	754 mg/kg
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Carcinogenicity

ACGIH Carcinogens

2-BUTOXYETHYL ACETATE (EGBEA) (CAS 112-07-2)	A3 Confirmed animal carcinogen with unknown relevance to humans.
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Serious eye damage/eye irritation	Not available.
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12. Ecological Information

Ecotoxicity	This product has not been tested for ecological effects.
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Persistence and degradability	Not available.
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13. Disposal Considerations

Disposal instructions	Do not dispose of together with general office waste. Do not allow this material to drain into sewers/water supplies. Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations. Ensure collection and disposal with an appropriately licensed waste contractor.
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14. Transport Information

DOT

Basic shipping requirements:

UN number NA1993
Proper shipping name Combustible liquid n.o.s. (butyl cellosolve acetate) -Not regulated in quantities less than 119 gallons
Hazard class Combustible
Packing group III

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

RID

Not regulated as dangerous goods.

15. Regulatory Information

US federal regulations US EPA TSCA Inventory: All chemical substances in this product comply with all rules or orders under TSCA.

Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and Chemical Code Number

Not listed.

Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))

Not regulated.

DEA Exempt Chemical Mixtures Code Number

Not regulated.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA (Superfund) reportable quantity

None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

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

SARA 302 Extremely hazardous substance No

SARA 311/312 Hazardous chemical No

Other information

VOC content (less water, less exempt compounds) = < 850 g/L (U.S. requirement, not for emissions) VOC data based on formulation (Organic compounds minus solids)

State regulations

US - New Jersey RTK - Substances: Listed substance

Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2) Listed.

US. Massachusetts RTK - Substance List

Not regulated.

US. Pennsylvania RTK - Hazardous Substances

Not regulated.

US. Rhode Island RTK

Not regulated.

16. Other Information

HMIS® ratings Health: 2
Flammability: 2
Physical hazard: 1

NFPA ratings

Health: 2
Flammability: 2
Instability: 1

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.

Other information

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

Issue date

16-Apr-2010

Manufacturer information

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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