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
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) 760-710-0048
HP Customer Care Line
(Toll-free within the US) 1-800-474-6836
(Direct) 1-208-323-2551
Email: hpcustomer.inquiries@hp.com

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

<table>
<thead>
<tr>
<th>Hazardous components</th>
<th>CAS #</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethylene Glycol, Monobutyl Ether Acetate</td>
<td>112-07-2</td>
<td>&lt;80</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Non-hazardous components</th>
<th>CAS #</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dye(s)</td>
<td>Trade Secret</td>
<td>&lt;15</td>
</tr>
<tr>
<td>Copolymer</td>
<td>Trade Secret</td>
<td>&lt;10</td>
</tr>
<tr>
<td>Additives</td>
<td>Trade Secret</td>
<td>&lt;6</td>
</tr>
</tbody>
</table>

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.

8. Exposure Controls / Personal Protection

**Occupational exposure limits**

<table>
<thead>
<tr>
<th>US. ACGIH Threshold Limit Values Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)</td>
<td>TWA</td>
<td>20 ppm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>U.S. - NIOSH Material</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>CD399 Series</td>
<td>REL</td>
<td>5 ppm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>US. NIOSH: Pocket Guide to Chemical Hazards Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)</td>
<td>TWA</td>
<td>33 mg/m3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5 ppm</td>
</tr>
</tbody>
</table>

**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

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

Acute

Dermal

LD50
Rabbit
1500 mg/kg

Oral

LD50
Rat
2400 mg/kg

Other

LD50
Mouse
754 mg/kg

Carcinogenicity

ACGIH Carcinogens

2-BUTOXYETHYL ACETATE (EGBEA) (CAS 112-07-2)
A3 Confirmed animal carcinogen with unknown relevance to humans.

Serious eye damage/eye irritation
Not available.

12. Ecological Information

Ecotoxicity
This product has not been tested for ecological effects.

Persistence and degradability
Not available.

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.
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
Hewlett-Packard Company
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(Direct) +972 (9) 892-4628

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