SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Identification of the preparation

CH145A

Synonym(s)

ColorSpan 0900992-500 * HP SC100 Printhead Flush

Use of the Substance/Preparation

Inkjet printing.

Revision date

08-Feb-2011

CAS #

112-07-2

Company identification

Hewlett-Packard Hellas

74-76 Voriou Ipirou str.

GR.151-25 Maroussi-Athens, Greece

Telephone +30 2108091100

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

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2. HAZARDS IDENTIFICATION

Regulation (EC) No. 1272/2008

Health hazards

Harmful if inhaled. Acute toxicity Category 4

Harmful in contact with skin. Acute toxicity Category 4

Classification

Xn; R20/21

Emergency Overview

Harmful by inhalation and in contact with skin. Irritating to eyes and skin.

Acute health effects

Skin contact

Harmful in contact with skin. Contact causes skin irritation. Avoid contact with the skin.

Eye contact

Causes eye irritation. Avoid contact with eyes.

Inhalation

Harmful by inhalation.

Ingestion

May be harmful if swallowed.

Potential health effects

Routes of exposure

Potential routes of exposure under normal use conditions are skin, eye contact and inhalation.

2-Butoxyethyl acetate

Not available.

Physical hazards

Not classified as a physical hazard.

Health hazards

Harmful by inhalation and in contact with skin.

Environmental hazards

Not classified as an environmental hazard.

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3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Components</th>
<th>Classification</th>
<th>CAS-No.</th>
<th>%</th>
<th>EC-No. / REACH Registration No.</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>2-Butoxyethyl acetate</td>
<td></td>
<td>112-07-2</td>
<td>60-100</td>
<td>203-933-3</td>
<td></td>
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<td></td>
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<td>01-2119475112-47-0005</td>
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</table>

67/548: Xn; R20/21

CLP: Acute Tox. 4; H312, Acute Tox. 4; H332
4. FIRST AID MEASURES

Inhalation
In case of accident by inhalation: remove casualty to fresh air and keep at rest. If not breathing, give artificial respiration or give oxygen by trained personnel. Get medical attention immediately.

Skin contact
In case of contact, immediately remove contaminated clothing and flush skin with copious amounts of water. Get medical attention.
Wash clothing separately before reuse.

Eye contact
In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention immediately.

Ingestion
Rinse mouth out with water. Give several glasses of water. Never give anything by mouth to an unconscious person. Do not induce vomiting.
Get medical attention immediately.

5. FIRE-FIGHTING MEASURES

Flash point
78 °C (172.4 °F) closed cup

Fire fighting equipment/instructions
Firefighters should wear full protective clothing including self contained breathing apparatus.
Cool containers with flooding quantities of water until well after fire is out.
Avoid runoff into storm sewers and ditches which lead to waterways.

Suitable extinguishing media
Dry chemical, CO2, sand, earth, water spray or regular foam.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions
Avoid inhalation of vapors or mists. Avoid contact with skin.
Do not touch or walk through spilled material.
Wear appropriate protective equipment and clothing during clean-up.

Environmental precautions
Do not flush into surface water or sanitary sewer system.

Methods for cleaning up
Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container.
Clean up in accordance with all applicable regulations. Ventilate the contaminated area. Eliminate ignition sources including sources of electrical, static or frictional sparks.

7. HANDLING AND STORAGE

Handling
Avoid contact with skin, eyes and clothing. Avoid breathing vapours or mists of this product. Use personal protective equipment as required. Use only with adequate ventilation. When using, do not eat, drink or smoke.

Storage
Keep tightly closed in a dry, cool and well-ventilated place. Store at room temperature. Keep away from heat, sparks and flame. Keep away from oxidizers.
Keep out of the reach of children.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limit values

<table>
<thead>
<tr>
<th>Greece Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Butoxyethyl acetate (112-07-2)</td>
<td>STEL</td>
<td>270.0000 mg/m3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>40.0000 ppm</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>135.0000 mg/m3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>20.0000 ppm</td>
</tr>
</tbody>
</table>

Occupational exposure controls

Respiratory protection
Use personal protective equipment as required.
Provide adequate ventilation.

Eye protection
Wear safety glasses; chemical goggles (if splashing is possible). Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

Skin and body protection
Wear appropriate chemical resistant clothing.
Wear appropriate chemical resistant gloves.

Hygiene measures
Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothing.
When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product.
Launder contaminated clothing before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance
Not available.

Physical state
Liquid

Form
Liquid.

Color
Not available.
Odor: fruity solvent.

Odour threshold: Not available.

pH: Not available.

Boiling point: 184 °C (363.2 °F)

Flash point: 78 °C (172.4 °F) closed cup

Flammability limits in air, upper, % by volume: < 8.54 %

Flammability limits in air, lower, % by volume: > 0.88 %

Vapor pressure: 13.2 hPa @ 20°C

Relative density: Not available.

Solubility (water): Not available.

Partition coefficient (n-octanol/water): Not available

Viscosity: Not available.

Vapor density: Not available.

Evaporation rate: Not available.

Melting point: Not available.

Freezing point: -64 °C (-83.2 °F)

Auto-ignition temperature: 280 °C (536 °F)

Specific gravity: 0.935 @ 20°C

VOC: < 940 g/l

### 10. STABILITY AND REACTIVITY

- **Conditions to avoid**: Avoid high temperatures.
- **Hazardous decomposition products**: Peroxides.
- **Stability**: Stable under normal storage conditions.
- **Materials to avoid**: This product may react with strong oxidizing agents. Reacts with air to form peroxides. Oxidizing agents.

### 11. TOXICOLOGICAL INFORMATION

- **Routes of exposure**: Potential routes of exposure under normal use conditions are skin and eye contact; and inhalation.
- **Serious eye damage/eye irritation**: Not available.
- **Skin sensitization**: Not available.
- **Local effects**: Harmful by inhalation and in contact with skin. Contact with skin and eyes may result in irritation. Repeated or prolonged inhalation may cause toxic effects. Inhalation of high vapour concentrations can cause CNS-depression and narcosis.

- **Symptoms and target organs**: Major effects of exposure: Skin disorders, Allergic reactions.

### 12. ECOLOGICAL INFORMATION

- **Aquatic toxicity**: May cause long-term adverse effects in the aquatic environment.

### 13. DISPOSAL CONSIDERATIONS

- **Disposal instructions**: Dispose of in compliance with federal, state, and local regulations. Do not allow this material to drain into sewers/water supplies.

### 14. TRANSPORT INFORMATION

- **Further information**: Not a dangerous good under United States DOT, IATA, ADR, IMDG, or RID.

- **ADR**: Not regulated as dangerous goods.
- **IATA**: Not regulated as dangerous goods.
- **IMDG**: Not regulated as dangerous goods.
- **RID**: Not regulated as dangerous goods.
15. REGULATORY INFORMATION

Labeling
Regulation (EC) No. 1272/2008
Contains 2-Butoxyethyl acetate

Hazard statement Harmful in contact with skin. Harmful if inhaled.

16. OTHER INFORMATION

Hazard statement Harmful in contact with skin. Harmful if inhaled.

Contains 2-Butoxyethyl acetate

Precautionary statement

Response P302 + P352 - IF ON SKIN: Wash with plenty of soap and water. P312 - Call a POISON CENTRE/doctor/physician if you feel unwell. P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Wording of the R-phrases in sections 2 and 3 R20/21 Harmful by inhalation and in contact with skin.

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.

Issue date 08-Feb-2011

This data sheet contains changes from the previous version in section(s):
Product and Company Identification: Synonyms
Composition / Information on Ingredients: Ingredients
Physical & Chemical Properties: Physical & Chemical Properties

Manufacturer information Hewlett-Packard
11311 K-Tel Drive
Minnetonka, MN 55343 US
Product Information 1-800-925-0563
### Explanation of abbreviations

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Full Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACGIH</td>
<td>American Conference of Governmental Industrial Hygienists</td>
</tr>
<tr>
<td>CAS</td>
<td>Chemical Abstracts Service</td>
</tr>
<tr>
<td>CERCLA</td>
<td>Comprehensive Environmental Response Compensation and Liability Act</td>
</tr>
<tr>
<td>CFR</td>
<td>Code of Federal Regulations</td>
</tr>
<tr>
<td>COC</td>
<td>Cleveland Open Cup</td>
</tr>
<tr>
<td>DOT</td>
<td>Department of Transportation</td>
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<tr>
<td>EPCRA</td>
<td>Emergency Planning and Community Right-to-Know Act (aka SARA)</td>
</tr>
<tr>
<td>IARC</td>
<td>International Agency for Research on Cancer</td>
</tr>
<tr>
<td>NIOSH</td>
<td>National Institute for Occupational Safety and Health</td>
</tr>
<tr>
<td>NTP</td>
<td>National Toxicology Program</td>
</tr>
<tr>
<td>OSHA</td>
<td>Occupational Safety and Health Administration</td>
</tr>
<tr>
<td>PEL</td>
<td>Permissible Exposure Limit</td>
</tr>
<tr>
<td>RCRA</td>
<td>Resource Conservation and Recovery Act</td>
</tr>
<tr>
<td>REC</td>
<td>Recommended</td>
</tr>
<tr>
<td>REL</td>
<td>Recommended Exposure Limit</td>
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<tr>
<td>SARA</td>
<td>Superfund Amendments and Reauthorization Act of 1986</td>
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<tr>
<td>STEL</td>
<td>Short-term exposure limit</td>
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<tr>
<td>TCLP</td>
<td>Toxicity Characteristics Leaching Procedure</td>
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<tr>
<td>TLV</td>
<td>Threshold Limit Value</td>
</tr>
<tr>
<td>TSCA</td>
<td>Toxic Substances Control Act</td>
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<tr>
<td>VOC</td>
<td>Volatile Organic Compounds</td>
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