



# 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 Ltd.  
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## 2. HAZARDS IDENTIFICATION

Regulation (EC) No. 1272/2008



Regulation (EC) No. 1272/2008

### Health hazards

Acute toxicity	Category 4	Harmful if inhaled.
Acute toxicity	Category 4	Harmful in contact with skin.

### Classification

Xn;R20/21

### Emergency Overview

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

### Acute health effects

<b>Skin contact</b>	Harmful in contact with skin. Contact causes skin irritation. Avoid contact with the skin.
<b>Eye contact</b>	Causes eye irritation. Avoid contact with eyes.
<b>Inhalation</b>	Harmful by inhalation.
<b>Ingestion</b>	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.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	Classification	CAS-No.	%	EC-No. / REACH Registration No.	Notes
2-Butoxyethyl acetate	67/548: Xn;R20/21 CLP: Acute Tox. 4;H312, Acute Tox. 4;H332	112-07-2	60-100	203-933-3 01-2119475112-47-0005	#

### 4. FIRST AID MEASURES

<b>Inhalation</b>	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.
<b>Skin contact</b>	In case of contact, immediately remove contaminated clothing and flush skin with copious amounts of water. Get medical attention. Wash clothing separately before reuse.
<b>Eye contact</b>	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.
<b>Ingestion</b>	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

<b>Flash point</b>	78 °C (172.4 °F) closed cup
<b>Fire fighting equipment/instructions</b>	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.
<b>Suitable extinguishing media</b>	Dry chemical, CO <sub>2</sub> , sand, earth, water spray or regular foam.

### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	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.
<b>Environmental precautions</b>	Do not flush into surface water or sanitary sewer system.
<b>Methods for cleaning up</b>	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

<b>Handling</b>	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.
<b>Storage</b>	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

##### Ireland

#### Components

Components	Type	Value
2-Butoxyethyl acetate (112-07-2)	STEL	333.0000 mg/m <sup>3</sup> 50.0000 ppm
	TWA	133.0000 mg/m <sup>3</sup> 20.0000 ppm

#### Additional exposure data

##### Ireland Exposure Limit Values: Short Term Exposure Limit (STEL): mg/m<sup>3</sup> & ppm

2-Butoxyethyl acetate (CAS 112-07-2) 333 MGM3 - 50 PPM

##### Ireland Exposure Limit Values: Time Weighted Average (TWA): mg/m<sup>3</sup> & ppm

2-Butoxyethyl acetate (CAS 112-07-2) 133 MGM3 - 20 PPM

#### Occupational exposure controls

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

<b>Eye protection</b>	Wear safety glasses; chemical goggles (if splashing is possible). Provide an emergency eye wash fountain and quick drench shower in the immediate work area.
<b>Skin and body protection</b>	Wear appropriate chemical resistant clothing. Wear appropriate chemical resistant gloves.
<b>Hygiene measures</b>	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.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Not available.
<b>Physical state</b>	Liquid
<b>Form</b>	Liquid.
<b>Color</b>	Not available.
<b>Odor</b>	fruity solvent.
<b>Odour threshold</b>	Not available.
<b>pH</b>	Not available.
<b>Boiling point</b>	184 °C (363.2 °F)
<b>Flash point</b>	78 °C (172.4 °F) closed cup
<b>Flammability limits in air, upper, % by volume</b>	< 8.54 %
<b>Flammability limits in air, lower, % by volume</b>	> 0.88 %
<b>Vapor pressure</b>	13.2 hPa @ 20°C
<b>Relative density</b>	Not available.
<b>Solubility (water)</b>	Not available.
<b>Partition coefficient (n-octanol/water)</b>	Not available
<b>Viscosity</b>	Not available.
<b>Vapor density</b>	Not available.
<b>Evaporation rate</b>	Not available.
<b>Melting point</b>	Not available.
<b>Freezing point</b>	-64 °C (-83.2 °F)
<b>Auto-ignition temperature</b>	280 °C (536 °F)
<b>Specific gravity</b>	0.935 @ 20°C
<b>VOC</b>	< 940 g/l

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## 10. STABILITY AND REACTIVITY

<b>Conditions to avoid</b>	Avoid high temperatures.
<b>Hazardous decomposition products</b>	peroxides.
<b>Stability</b>	Stable under normal storage conditions.
<b>Materials to avoid</b>	This product may react with strong oxidizing agents. Reacts with air to form peroxides. oxidizing agents

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## 11. TOXICOLOGICAL INFORMATION

<b>Routes of exposure</b>	Potential routes of exposure under normal use conditions are skin and eye contact; and inhalation.
<b>Serious eye damage/eye irritation</b>	Not available.
<b>Skin sensitization</b>	Not available.
<b>Local effects</b>	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.
<b>Symptoms and target organs</b>	Major effects of exposure: Skin disorders, Allergic reactions.

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## 12. ECOLOGICAL INFORMATION

<b>Aquatic toxicity</b>	May cause long-term adverse effects in the aquatic environment.
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### 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.

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### 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.

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### 15. REGULATORY INFORMATION

**Labeling**

**Regulation (EC) No. 1272/2008**

**Contains** 2-Butoxyethyl acetate



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

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### 16. OTHER INFORMATION

**Contains** 2-Butoxyethyl acetate

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



**Precautionary statement**

**Prevention** P280 - Wear protective gloves/protective clothing/eye protection/face protection. P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P271 - Use only outdoors or in a well-ventilated area.

**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.

**Ireland Exposure Limit Values: Short Term Exposure Limit (STEL): mg/m3 & ppm**

2-Butoxyethyl acetate (CAS 112-07-2) 333 MGM3 - 50 PPM

**Ireland Exposure Limit Values: Time Weighted Average (TWA): mg/m3 & ppm**

2-Butoxyethyl acetate (CAS 112-07-2) 133 MGM3 - 20 PPM

**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**

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Product Information 1-800-925-0563

**Explanation of abbreviations**

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