1. Product and Company Identification

Identification of the preparation: CH150Series

Synonym(s): HP SC101 Cleaning Solution

Product use: Inkjet printing

Version #: 03

Revision date: 02-May-2012

CAS #: Mixture

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) 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

2. Hazards Identification

Emergency overview: Harmful by inhalation and in contact with skin. Contact with skin and eyes may result in irritation. Inhalation may result in respiratory irritation.

Acute health effects

Skin contact: Avoid contact with skin.
Harmful in contact with skin.

Eye contact: Avoid contact with eyes.
Contact with eyes may result in irritation.

Inhalation: Avoid breathing vapors or mists of this product.
Harmful if inhaled.

Ingestion: May be harmful if swallowed.

Potential health effects

Routes of exposure: Potential routes of exposure under normal use conditions are skin and eye contact; and inhalation

Chronic health effects: None known.

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

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS #</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Butoxyethyl acetate</td>
<td>112-07-2</td>
<td>100</td>
</tr>
</tbody>
</table>

4. First Aid Measures

First aid procedures

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.

Skin contact: In case of contact, immediately remove contaminated clothing and flush skin with copious amounts of water. Wash clothing separately before reuse.
Get medical attention, if needed.
Inhalation
Move person to fresh air immediately.
If symptoms persist, get immediate medical attention.

Ingestion
Rinse mouth out with water. If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.

5. Fire Fighting Measures

Extinguishing media
- Suitable extinguishing media
  For small (incipient) fires, use media such as foam, sand, dry chemical, or carbon dioxide.
  For large fires use very large (flooding) quantities of water and/or foam, applied as a mist or spray.

Protection of firefighters
- Protective equipment and precautions for firefighters
  Move containers from fire area if you can do it without risk.
  Avoid runoff into storm sewers and ditches which lead to waterways.

Special protective equipment for fire-fighters
- Firefighters should wear full protective clothing including self contained breathing apparatus.

6. Accidental Release Measures

Personal precautions
- Avoid contact with skin. Avoid inhalation of vapors or mists.
- Do not touch or walk through spilled material. Ensure adequate ventilation. Remove all sources of ignition.
- Use personal protective equipment to minimize exposure to skin and eye. In the case of vapor formation use a respirator with an approved filter.

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

Methods for cleaning up
- Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

Other information
- Dispose of in compliance with federal, state, and local regulations.

7. Handling and Storage

Handling
- Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists of this product.
- Use with adequate ventilation.
- Wear personal protective equipment.

Storage
- Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks and flame.

8. Exposure Controls / Personal Protection

Occupational exposure limits

<table>
<thead>
<tr>
<th>ACGIH Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Butoxyethyl acetate (112-07-2)</td>
<td>TWA</td>
<td>20.0000 ppm</td>
</tr>
</tbody>
</table>

Personal protective equipment

- **Eye / face protection**
  - Wear safety glasses; chemical goggles (if splashing is possible).
  - Eye wash fountain and emergency showers are recommended.

- **Skin protection**
  - Wear appropriate chemical resistant clothing.
  - Wear appropriate chemical resistant gloves.

- **Respiratory protection**
  - Provide adequate ventilation. In case of insufficient ventilation wear suitable respiratory equipment.

- **General hygiene considerations**
  - Do not get this material in contact with skin. 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 & Chemical Properties

**Appearance**
- Not available.

**Color**
- Clear.

**Odor**
- Solvent.

**Odor threshold**
- Not available.
Physical state  Liquid
Form  Liquid.
pH  Not available.
Melting point  Not available.
Freezing point  -83.2 °F (-64 °C)
Boiling point  377.6 °F (192 °C)
Flash point  165.2 °F (74 °C) Tag Closed Cup
Evaporation rate  0.04
Flammability limits in air, upper, % by volume  Not available.
Flammability limits in air, lower, % by volume  Not available.
Vapor pressure  0.4 hPa @ 20°C
Vapor density  Not available.
Specific gravity  Not available.
Relative density  Not available.
Solubility (water)  2 %
Auto-ignition temperature  Not available.
Decomposition temperature  Not available.
Molecular weight  160
VOC  < 940 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  Heat, flames and sparks.
Incompatible materials  This product may react with strong oxidizing agents. Reacts with air to form peroxides. oxidizing agents
Hazardous decomposition products  peroxides.
Possibility of hazardous reactions  None known.

11. Toxicological Information
Carcinogenicity
ACGIH Carcinogens
2-Butoxyethyl acetate (CAS 112-07-2)  A3 Confirmed animal carcinogen with unknown relevance to humans.
Serious eye damage/eye irritation  Not available.
Symptoms and target organs
Target Organs (NIOSH)
2-Butoxyethyl acetate (CAS 112-07-2)  Blood
Central Nervous System
Eyes
Hemato system
Kidneys
Liver
Lymphoid system
Respiratory system
Skin
Further information  Complete toxicity data are not available for this specific formulation

12. Ecological Information
Ecotoxicity  No information available.
Aquatic toxicity
No information available.

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. (2-Butoxyethyl Acetate) - not regulated in quantities less than 119 gallons.
Hazard class Combustible
Packing group III
Additional information: 128

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.

CERCLA (Superfund) reportable quantity
None

Occupational Safety and Health Administration (OSHA)
29 CFR 1910.1200 hazardous chemical
Yes

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
Section 302 extremely hazardous substance
No
Section 311 hazardous chemical
Yes

Regulatory information
Notified according to EU Regulations.

Other information
Exposure Limits (See Section 8): Executive regulation of Minister of Labour and Social Policy dated Nov. 29, 2002 concerning the highest exposure limits and volume of factors harmful for health and environment at work (Official Journal of Laws no 217/2002 item 1833 with further amendments). VOC content (less water, less exempt compounds) = < 940 g/L (U.S. requirement, not for emissions)
16. Other Information

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

HMIS® ratings
Health: 1
Flammability: 2
Physical hazard: 0
Personal protection: B

NFPA ratings
Health: 1
Flammability: 2
Instability: 0

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
02-May-2012

This data sheet contains changes from the previous version in section(s):
This document has undergone significant changes and should be reviewed in its entirety.

Manufacturer information
Hewlett-Packard Company
3000 Hanover Street
Palo Alto, California 94304-1112 US
Product Information 1-800-925-0563

Explanation of abbreviations

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</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>
</tr>
<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>
</tr>
<tr>
<td>SARA</td>
<td>Superfund Amendments and Reauthorization Act of 1986</td>
</tr>
<tr>
<td>STEL</td>
<td>Short-Term Exposure Limit</td>
</tr>
<tr>
<td>TCLP</td>
<td>Toxicity Characteristics Leaching Procedure</td>
</tr>
<tr>
<td>TLV</td>
<td>Threshold Limit Value</td>
</tr>
<tr>
<td>TSCA</td>
<td>Toxic Substances Control Act</td>
</tr>
<tr>
<td>VOC</td>
<td>Volatile Organic Compounds</td>
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</tbody>
</table>