1. Product and Company Identification

Material name: CH135Series
Version #: 04
Issue date: 24-Mar-2013
Revision date: 12-Nov-2013
Product use: Inkjet printing
CAS #: Mixture
Synonym(s): HP SC200 Cyan Ink
Company identification: Hewlett-Packard Company
3000 Hanover Street
Palo Alto, CA 94304-1185
United States
Telephone 650-857-5020

Hewlett-Packard health effects line
(Toll-free within the US) 1-800-457-4209
(Direct) 1-760-710-0048
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

Emergency overview
Irritating to eyes and skin.
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Potential health effects

Eyes
Irritating to eyes.

Skin
Avoid contact with skin.
Contact causes skin irritation. Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

Inhalation
Avoid breathing vapors or mists of this product. Inhalation of vapors or mists of the product may be irritating to the respiratory system. Inhalation may cause drowsiness or dizziness.

Ingestion
Ingestion is not expected to be a primary route of exposure for this product under normal use conditions. Harmful if swallowed.

Other hazards
Proprietary initiator - In animal testing, risk of impaired fertility was shown only after repeated ingestion of very high doses of this substance.

3. Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>Hazardous components</th>
<th>CAS #</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-phenoxy-ethyl-acrylate</td>
<td>48145-04-6</td>
<td>&lt;40</td>
</tr>
<tr>
<td>CARBOXYLIC ACIDS, ESTERS</td>
<td>3076-04-8</td>
<td>&lt;25</td>
</tr>
<tr>
<td>N-vinylcaprolactam</td>
<td>2235-00-9</td>
<td>&lt;25</td>
</tr>
<tr>
<td>Alkyl Acrylate Ester</td>
<td>Proprietary</td>
<td>&lt;10</td>
</tr>
<tr>
<td>Proprietary initiator</td>
<td>Proprietary</td>
<td>&lt;5</td>
</tr>
<tr>
<td>Acrylate Ester resin</td>
<td>Proprietary</td>
<td>&lt;2.5</td>
</tr>
<tr>
<td>1-Butanone, 2-(dimethylamino)-1- [4-(4-morpholiny]phenyl]-2- (phenylmethyl)-</td>
<td>119313-12-1</td>
<td>&lt;1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Non-hazardous components</th>
<th>CAS #</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aliphatic Urethane Acrylate</td>
<td>Proprietary</td>
<td>&lt;5</td>
</tr>
</tbody>
</table>
### 4. First Aid Measures

**General advice**
No information

**First aid procedures**

| Eye contact | Do not rub eyes. Immediately flush with large amounts of clean, warm water (low pressure) for at least 15 minutes or until particles are removed. If irritation persists get medical attention. |
| Skin contact | Wash affected areas thoroughly with mild soap and water. If irritation persists get medical attention. |
| Inhalation | Move to fresh air. If symptoms persist, get medical attention. |
| Ingestion | If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting. Never give anything by mouth to an unconscious person. |

### 5. Fire Fighting Measures

**Flammable properties**
None known.

**Extinguishing media**

| Suitable extinguishing media | Dry powder. Carbon dioxide (CO2). Water may be ineffective. |
| Unsuitable extinguishing media | Water. |

**Protection of firefighters**
Avoid runoff into storm sewers and ditches which lead to waterways.

**Fire fighting equipment/instructions**
Not available.

### 6. Accidental Release Measures

**Personal precautions**
Wear appropriate personal protective equipment. Do not touch or walk through spilled material.

**Environmental precautions**
Do not let product enter drains. Do not flush into surface water or sanitary sewer system. See also section 13 Disposal considerations.

**Methods for cleaning up**
Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.

**Other information**
Soak up with inert absorbent material. Dispose of in compliance with federal, state, and local regulations.

### 7. Handling and Storage

**Handling**
Avoid contact with skin, eyes and clothing.

**Storage**
Keep away from excessive heat or cold. Do not store in direct sunlight. Do not handle or store near an open flame, heat or other sources of ignition. Opaque, high density polyethylene (HDPE) containers are recommended for shipping and storage.

### 8. Exposure Controls / Personal Protection

**Exposure guidelines**
Exposure limits have not been established for this product.

**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 gloves. Wear appropriate chemical resistant clothing. |
| Respiratory protection | Provide adequate ventilation. In case of insufficient ventilation wear suitable respiratory equipment. |
| General hygiene considerations | Handle in accordance with good industrial hygiene and safety practice. Do not get this material in your eyes, on your skin, or on your clothing. When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product. Launder contaminated clothing before reuse. Keep away from food and drink. |

### 9. Physical & Chemical Properties

**Appearance**
Not available.
Physical state: Liquid.
Form: Liquid.
Color: Cyan
Odor: Characteristic.
\( \text{pH} \): Not available.
Vapor pressure: Not available.
Boiling point: Not available.
Melting point/Freezing point: Not available.
Solubility (water): \( \leq 0.1 \text{ g/g} \)
Specific gravity: Not available.
Flash point: Not available.
Viscosity: 10 - 30 cP
VOC: < 95 g/L
Other information: For other VOC regulatory data/information see Section 15.
Other data:
   Chemical family: Acrylate/Polymer/Pigment Blend

10. Chemical Stability & Reactivity Information
Chemical stability: Stable under normal storage conditions.
Conditions to avoid: Exposure to sunlight.
Incompatible materials: Incompatible with strong bases and oxidizing agents. alkaline metals
Hazardous decomposition products: Upon decomposition, this product may yield gaseous nitrogen oxides, carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.
Possibility of hazardous reactions: Hazardous polymerization can occur with decreased inhibitor content.

11. Toxicological Information
Carcinogenicity: No data available.
Serious eye damage/eye irritation: Not available.
Further information: Complete toxicity data are not available for this specific formulation

12. Ecological Information
Aquatic toxicity: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Ecotoxicity: No data available.
Persistence and degradability: Not available.
Bioaccumulation / Accumulation

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: Not regulated as dangerous goods.
IATA: Not regulated as dangerous goods.
IMDG: Not regulated as dangerous goods.
Not regulated as dangerous goods.

15. Regulatory Information

US federal regulations
This product is listed on the U.S. EPA TSCA Inventory.
US TSCA 12(b): Contains 2,4-diethyl-9h-thioxanthen-9-one and 4-methoxyphenol, subject to export notification requirements.
US TSCA 4(a): Contains 4-methoxyphenol and Benzophenone, subject of a test rule at 40 CFR Section 799.5115.
TSCA Section 5(a)(2) Significant New Use Rules: This product contains 2,4-diethyl-9h-thioxanthen-9-one which is subject to a Significant New Use Rule at 40 CFR Section 721.9664.
TSCA 8(a) PAIR: 4-Methoxyphenol
SARA 302/304/311/312 hazardous chemicals: tridecyl acrylate.

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

SARA 302 Extremely hazardous substance
No

SARA 311/312 Hazardous chemical
No

Other information
All ingredients are listed on EINECS and/or ELINCS or exempt. VOC content (less water, less exempt compounds) = < 95 g/L (U.S. requirement, not for emissions) VOC data based on formulation (Organic compounds minus solids)

Other regulations
All chemical substances in this HP product have been notified or are exempt from notification under chemical substances notification laws in the following countries: US (TSCA), EU (EINECS/ELINCS), Switzerland, Canada (DSL/NDSL), Australia, Japan, Philippines, South Korea, New Zealand, and China.

State regulations

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: 1
Physical hazard: 2
Personal protection:

NFPA ratings
Health: 2
Flammability: 1
Instability: 2
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

24-Mar-2013

This data sheet contains changes from the previous version in section(s):
Composition / Information on Ingredients: Ingredients

Manufacturer information

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

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