1. Product and Company Identification

**Material name**: CH256Series

**Version #**: 04

**Issue date**: 03-Jan-2013

**Revision date**: 01-Oct-2013

**Product use**: Inkjet printing

**CAS #**: Mixture

**Synonym(s)**: HP Designjet 788 Light 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) 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.

May cause sensitization by skin contact.

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Potential health effects**

- **Eyes**: Irritating to eyes. Avoid contact with eyes.

- **Skin**: Contact causes skin irritation. Avoid contact with the skin.

- **Inhalation**: Do not breathe vapour. Inhalation of vapors or mists of the product may be irritating to the respiratory system.

- **Ingestion**: May be harmful if swallowed.

**Other hazards**

Benzophenone is classified by the IARC as a Group 2B carcinogen (the substance is possibly carcinogenic to humans).

Potential routes of exposure to this product are skin and eye contact, ingestion, and inhalation.

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>phenoxy ethyl acrylate</td>
<td>48145-04-6</td>
<td>&lt;40</td>
</tr>
<tr>
<td>N-vinylcaprolactam</td>
<td>2235-00-9</td>
<td>&lt;25</td>
</tr>
<tr>
<td>monoalkyl or monoaryl or monoalkylaryl esters of acrylic acid</td>
<td>3076-04-8</td>
<td>&lt;15</td>
</tr>
<tr>
<td>Propanol Neopentyl Glycol Diacrylate</td>
<td>84170-74-1</td>
<td>&lt;10</td>
</tr>
<tr>
<td>Proprietary initiator</td>
<td>Proprietary</td>
<td>&lt;5</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;10</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.

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
Light Cyan

Odor
Characteristic.

pH
Not available.

Vapor pressure
Not available.

Boiling point
Not available.

Melting point/Freezing point
Not available.

Solubility (water)
Not available.

Specific gravity
Not available.

Flash point
> 230.00 °F (> 110.00 °C) Closed Cup

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

Sensitization
May cause sensitization by skin contact.

Acute effects
Causes skin irritation.

Carcinogenicity
No data available.

Serious eye damage/eye irritation
Causes eye irritation.

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.

RID
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; Benzophenone, subject to export notification requirements.
US TSCA 4(a): Contains 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
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) = < 95 g/L (U.S. requirement, not for emissions) US EPA Method 24

Other regulations
The components of this product are reported in the following inventories: USA, European Union, Canada, New Zealand, Japan, Philippines, China, Australia, Korea.

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
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
03-Jan-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