



# SAFETY DATA SHEET

## 1. Identification

**Product identifier** CH132Series  
**Other means of identification** Not available.  
**Synonym(s)** HP Scitex FB240 Yellow Ink  
**Recommended use** Inkjet printing.  
**Recommended restrictions** None known.  
**Issue date** 30-Apr-2014  
**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. Hazard(s) identification

**Physical hazards** Not classified.  
**Health hazards** Skin corrosion/irritation Category 2  
Serious eye damage/eye irritation Category 2A  
Sensitization, skin Category 1  
Reproductive toxicity (fertility) Category 2  
Specific target organ toxicity, repeated exposure Category 1 (liver, respiratory system)  
**OSHA hazard(s)** Not classified.

### Label elements



**Signal word** Danger

**Hazard statement** Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. Suspected of damaging fertility. Causes damage to organs (liver, respiratory system) through prolonged or repeated exposure. Toxic to aquatic life with long lasting effects.

### Precautionary statement

**Prevention**  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P260 - Do not breathe dust/fume/gas/mist/vapors/spray.  
P201 - Obtain special instructions before use.  
P202 - Do not handle until all safety precautions have been read and understood.  
P270 - Do not eat, drink or smoke when using this product.  
P264 - Wash hands thoroughly after handling.  
P273 - Avoid release to the environment.

**Response**  
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337 + P313 - If eye irritation persists: Get medical advice/attention.  
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water.  
P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention.  
P308 + P313 - IF exposed or concerned: Get medical attention/advice.  
Collect spillage.  
P362 - Take off contaminated clothing and wash before reuse.

|  |   |            |
|--|---|------------|
| <b>Storage</b>                                   | P405 - Store locked up.   |            |
| <b>Disposal</b>                                  | Dispose of contents/container in accordance with local/regional/national/international regulations. |            |
| <b>Hazard(s) not otherwise classified (HNOC)</b> | Not classified.   |            |
| <b>Environmental hazards</b>                     | Hazardous to the aquatic environment, long-term hazard  | Category 2 |

### 3. Composition/information on ingredients

#### Mixtures

| <b>Hazardous components</b>                                    | <b>CAS number</b> | <b>%</b> |
|--|-------------------|----------|
| <b>Chemical name</b>   |                   |          |
| 2-Phenoxy-ethyl acrylate                                       | 48145-04-6        | <40      |
| Carboxylic Acids, Esters                                       | 3076-04-8         | <25      |
| N-vinylcaprolactam   | 2235-00-9         | <25      |
| Alkyl Acrylate Ester #2*                                       | Proprietary*      | <10      |
| Multi-Functional Acrylate Ester*                               |                   | <10      |
| Alkyl Acrylate Ester #1*                                       |                   | <5       |
| Proprietary initiator*   |                   | <5       |
| Benzophenone   | 119-61-9          | <2.5     |
| Nickel, 5,5'-azobis-2,4,6(1H,3H,5H)-pyrimidinetrione Complexes | 68511-62-6        | <2.5     |
| 2-benzyl-2-dimethylamino-4-morpholinobutyrophenone             | 119313-12-1       | <1       |
| <b>Non-hazardous components</b>                                |                   |          |
| <b>Chemical name</b>   | <b>CAS number</b> | <b>%</b> |
| Aliphatic Urethane Acrylate*                                   | Proprietary*      | <5       |

### 4. First-aid measures

|   |   |
|---|---|
| <b>Inhalation</b>   | Move to fresh air. If symptoms persist, get medical attention.  |
| <b>Skin contact</b>                                       | Wash affected areas thoroughly with mild soap and water. If irritation persists get medical attention.  |
| <b>Eye contact</b>  | 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. |
| <b>Ingestion</b>  | If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting. Never give anything by mouth to an unconscious person.                                       |
| <b>Most important symptoms/effects, acute and delayed</b> | Not available.  |

### 5. Fire-fighting measures

|  |   |
|--|---|
| <b>Flash point</b>   | > 199.94 °F (> 93.30 °C) Closed Cup                                 |
| <b>Suitable extinguishing media</b>                                  | Dry powder. Carbon dioxide (CO2). Water may be ineffective.         |
| <b>Unsuitable extinguishing media</b>                                | Water.  |
| <b>Specific hazards arising from the chemical</b>                    | Not applicable.   |
| <b>Special protective equipment and precautions for firefighters</b> | Not available.  |
| <b>Fire-fighting equipment/instructions</b>                          | Avoid runoff into storm sewers and ditches which lead to waterways. |

### 6. Accidental release measures

|  |  |
|--|--|
| <b>Personal precautions, protective equipment and emergency procedures</b> | Wear appropriate personal protective equipment. Do not touch or walk through spilled material. |
|--|--|

|  |   |
|--|---|
| <b>Methods and materials for containment and cleaning up</b> | Not available.  |
| <b>Environmental precautions</b>                             | Do not let product enter drains. Do not flush into surface water or sanitary sewer system. See also section 13 Disposal considerations. |

## 7. Handling and storage

|   |   |
|---|---|
| <b>Precautions for safe handling</b>                                | Avoid contact with skin, eyes and clothing.   |
| <b>Conditions for safe storage, including any incompatibilities</b> | 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

### Occupational exposure limits

#### U.S. - OSHA Components

| Components  | Type | Value               | Form                         |
|---|------|---------------------|------------------------------|
| Nickel, 5,5'-azobis-2,4,6(1H,3H,5H)-pyrimidinetrione Complexes (CAS 68511-62-6) | PEL  | 1 mg/m <sup>3</sup> | 29 CFR 1910.1000 (Subpart Z) |
|   | TWA  | 1 mg/m <sup>3</sup> | 29 CFR 1910.1000 (Subpart Z) |

#### US. AIHA Workplace Environmental Exposure Level (WEEL) Guides

| Components                  | Type | Value                 |
|-----------------------------|------|-----------------------|
| Benzophenone (CAS 119-61-9) | TWA  | 0.5 mg/m <sup>3</sup> |

|  |  |
|--|--|
| <b>Biological limit values</b>   | No biological exposure limits noted for the ingredient(s).   |
| <b>Exposure guidelines</b>   | Exposure limits have not been established for this product.  |
| <b>Appropriate engineering controls</b>                                      | Not available.   |
| <b>Individual protection measures, such as personal protective equipment</b> |  |
| <b>Eye/face protection</b>   | Wear safety glasses; chemical goggles (if splashing is possible). Eye wash fountain and emergency showers are recommended.   |
| <b>Skin protection</b>   |  |
| <b>Hand protection</b>   | Not available.   |
| <b>Other</b>   | Wear appropriate chemical resistant gloves.<br>Wear appropriate chemical resistant clothing.   |
| <b>Respiratory protection</b>  | Provide adequate ventilation. In case of insufficient ventilation wear suitable respiratory equipment.   |
| <b>Thermal hazards</b>   | Not available.   |
| <b>General hygiene considerations</b>  | 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 and chemical properties

|  |                                     |
|--|-------------------------------------|
| <b>Appearance</b>                              | Not available.                      |
| <b>Physical state</b>                          | Liquid.                             |
| <b>Color</b>                                   | Yellow                              |
| <b>Odor</b>                                    | Characteristic.                     |
| <b>Odor threshold</b>                          | Not available.                      |
| <b>pH</b>                                      | Not available.                      |
| <b>Melting point/freezing point</b>            | Not available.                      |
| <b>Initial boiling point and boiling range</b> | Not available.                      |
| <b>Flash point</b>                             | > 199.94 °F (> 93.30 °C) Closed Cup |
| <b>Evaporation rate</b>                        | Not available.                      |
| <b>Flammability (solid, gas)</b>               | Not applicable.                     |

**Upper/lower flammability or explosive limits**

|  |   |
|--|---|
| <b>Flammability limit - lower (%)</b>          | Not available.  |
| <b>Flammability limit - upper (%)</b>          | Not available.  |
| <b>Explosive limit - lower (%)</b>             | Not available.  |
| <b>Explosive limit - upper (%)</b>             | Not available.  |
| <b>Vapor pressure</b>                          | Not available.  |
| <b>Solubility(ies)</b>                         | Not available.  |
| <b>Partition coefficient (n-octanol/water)</b> | Not available.  |
| <b>Auto-ignition temperature</b>               | Not available.  |
| <b>Decomposition temperature</b>               | Not available.  |
| <b>Viscosity</b>                               | Not available.  |
| <b>Other information</b>                       | For other VOC regulatory data/information see Section 15. |
| <b>Chemical family</b>                         | Acrylate/Polymer/Pigment Blend                            |
| <b>VOC (Weight %)</b>                          | < 95 g/L  |

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**10. Stability and reactivity**

|   |   |
|---|---|
| <b>Reactivity</b>                         | Not available.  |
| <b>Chemical stability</b>                 | Stable under normal storage conditions.   |
| <b>Possibility of hazardous reactions</b> | Hazardous polymerization can occur with decreased inhibitor content.  |
| <b>Conditions to avoid</b>                | Exposure to sunlight.   |
| <b>Incompatible materials</b>             | Incompatible with strong bases and oxidizing agents. alkaline metals  |
| <b>Hazardous decomposition products</b>   | Upon decomposition, this product may yield gaseous nitrogen oxides, carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. |

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**11. Toxicological information**

|   |   |
|---|---|
| <b>Symptoms related to the physical, chemical and toxicological characteristics</b> | Not available.  |
| <b>Information on toxicological effects</b>   |   |
| <b>Acute toxicity</b>   | Based on available data, the classification criteria are not met.                           |
| <b>Skin corrosion/irritation</b>  | Causes skin irritation.   |
| <b>Serious eye damage/eye irritation</b>  | Causes serious eye irritation.  |
| <b>Respiratory sensitization</b>  | Based on available data, the classification criteria are not met.                           |
| <b>Skin sensitization</b>   | May cause sensitization by skin contact.  |
| <b>Germ cell mutagenicity</b>   | Based on available data, the classification criteria are not met.<br>None known.            |
| <b>Carcinogenicity</b>  | Based on available data, the classification criteria are not met.                           |
| <b>IARC Monographs. Overall Evaluation of Carcinogenicity</b>                       |   |
| Benzophenone (CAS 119-61-9)   | 2B Possibly carcinogenic to humans.   |
| <b>Reproductive toxicity</b>  | Suspected of damaging fertility.  |
| <b>Specific target organ toxicity - single exposure</b>                             | Based on available data, the classification criteria are not met.                           |
| <b>Specific target organ toxicity - repeated exposure</b>                           | Causes damage to organs (liver, respiratory system) through prolonged or repeated exposure. |
| <b>Aspiration hazard</b>  | Based on available data, the classification criteria are not met.                           |
| <b>Further information</b>  | Complete toxicity data are not available for this specific formulation                      |

| Components                  | Species | Test Results |
|-----------------------------|---------|--------------|
| Benzophenone (CAS 119-61-9) |         |              |
| <b>Acute</b>                |         |              |
| <i>Oral</i>                 |         |              |
| LD50                        | Mouse   | 2895 mg/kg   |
| <i>Other</i>                |         |              |
| LD50                        | Mouse   | 727 mg/kg    |

## 12. Ecological information

**Aquatic toxicity** Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. This product has not been tested for ecological effects.

### Ecotoxicity

| Components                           | Species        | Test Results  |
|--------------------------------------|----------------|---|
| Benzophenone (CAS 119-61-9)          |                |   |
| <b>Aquatic</b>                       |                |   |
| Fish                                 | LC50           | Fathead minnow ( <i>Pimephales promelas</i> ) 9.64 - 12.31 mg/l, 96 hours |
| <b>Persistence and degradability</b> | Not available. |   |
| <b>Bioaccumulative potential</b>     | Not available. |   |
| <b>Mobility in soil</b>              | Not available. |   |
| <b>Other adverse effects</b>         | Not available. |   |

## 13. Disposal considerations

|  |  |
|--|--|
| <b>Disposal instructions</b>                 | Do not dispose of together with general office waste.<br>Do not allow this material to drain into sewers/water supplies.<br>Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.<br>Ensure collection and disposal with an appropriately licensed waste contractor. |
| <b>Local disposal regulations</b>            | Not available.   |
| <b>Hazardous waste code</b>                  | Not regulated.   |
| <b>Waste from residues / unused products</b> | Not available.   |
| <b>Contaminated packaging</b>                | Not available.   |

## 14. Transport information

### DOT

|                                     |   |
|-------------------------------------|---|
| <b>UN number</b>                    | UN3082  |
| <b>UN proper shipping name</b>      | Environmentally Hazardous Substance, Liquid, N.O.S. (Acrylates)             |
| <b>Transport hazard class(es)</b>   | 9   |
| <b>Subsidiary class(es)</b>         | Not available.  |
| <b>Packing group</b>                | III   |
| <b>Special precautions for user</b> | DOT Classification only applies to shipments within the US and Puerto Rico. |
| <b>Labels required</b>              | Not available.  |

### IATA

|                                     |   |
|-------------------------------------|---|
| <b>UN number</b>                    | UN3082  |
| <b>UN proper shipping name</b>      | Environmentally Hazardous Substance, Liquid, N.O.S. (Acrylates) |
| <b>Transport hazard class(es)</b>   | 9   |
| <b>Subsidiary class(es)</b>         | -   |
| <b>Packaging group</b>              | III   |
| <b>Environmental hazards</b>        | Yes   |
| <b>Labels required</b>              | Not available.  |
| <b>ERG Code</b>                     | Not available.  |
| <b>Special precautions for user</b> | Not available.  |

### IMDG

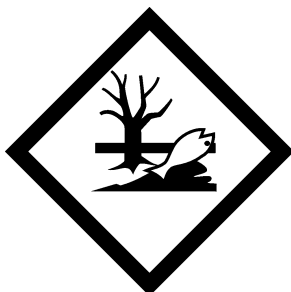
|                                   |   |
|-----------------------------------|---|
| <b>UN number</b>                  | UN3082  |
| <b>UN proper shipping name</b>    | Environmentally Hazardous Substance, Liquid, N.O.S. (Acrylates), MARINE POLLUTANT |
| <b>Transport hazard class(es)</b> | 9   |
| <b>Subsidiary class(es)</b>       | -   |
| <b>Packaging group</b>            | III   |

**Environmental hazards**

**Marine pollutant** Yes  
**Labels required** Not available.  
**EmS** F-A, S-F  
**Special precautions for user** Not available.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** No information available.

**General information** DOT Classification only applies to shipments within the US and Puerto Rico.

**DOT; IATA; IMDG****Marine pollutant****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: heptane; 4-Methoxyphenol  
 SARA 302/304/311/312 hazardous chemicals: Benzophenone; tridecyl acrylate

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Benzophenone (CAS 119-61-9) 0.1 % One-Time Export Notification only.

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not on regulatory list.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

Not listed.

**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 federal regulations****Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not regulated.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not regulated.

**Safe Drinking Water Act (SDWA)** Not regulated.**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.

**Food and Drug Administration (FDA)** Not regulated.**US state regulations****US. Massachusetts RTK - Substance List**

Not regulated.

**US. New Jersey Worker and Community Right-to-Know Act**

Not regulated.

**US. Pennsylvania RTK - Hazardous Substances**

Not regulated.

**US. Rhode Island RTK**

Not regulated.

**US. California Proposition 65****US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance**

Benzophenone (CAS 119-61-9)

**Other information**

VOC content (less water, less exempt compounds) = &lt; 95 g/L (U.S. requirement, not for emissions) VOC data based on formulation (Organic compounds minus solids)

**Regulatory information**

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/NDL), Australia, Japan, Philippines, South Korea, New Zealand, and China.

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**16. Other information, including date of preparation or last revision****Issue date**

30-Apr-2014

**Revision date**

29-May-2014

**Version #**

03

**Further information**

Not available.

**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.

**Revision Information**

GHS: Classification

**Manufacturer information**

Hewlett-Packard Company  
 3000 Hanover Street  
 Palo Alto, California 94304-1112 US  
 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  |