SAFETY DATA SHEET

1. Identification

Product identifier: CH132Series
Other means of identification:
  Synonyms: HP Scitex FB240 Yellow Ink
Recommended use: Inkjet printing.
Recommended restrictions: None known.
Company identification: HP
  1501 Page Mill Road
  Palo Alto, CA 94304-1112
  United States
  Telephone 650-857-5020
  HP 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: Category 2
  Specific target organ toxicity, repeated exposure: Category 1
Environmental hazards:
  Hazardous to the aquatic environment, long-term hazard: Category 2
OSHA defined hazards: 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.
P391 - Collect spillage.
P362 - Take off contaminated clothing and wash before reuse.

Storage
P405 - Store locked up.

Disposal
Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC)
Benzophenone is classified by the IARC as a Group 2B carcinogen (the substance is possibly carcinogenic to humans).

Contains Nickel. May cause cancer.

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.

Supplemental information
Contains Glycerolpropoxytriacrylate. May produce an allergic reaction.

3. Composition/information on ingredients

Mixtures

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Common name and synonyms</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Phenoxy-ethyl acrylate</td>
<td></td>
<td>48145-04-6</td>
<td>&lt;40</td>
</tr>
<tr>
<td>Carboxylic Acids, Esters</td>
<td></td>
<td>3076-04-8</td>
<td>&lt;25</td>
</tr>
<tr>
<td>N-vinylcaprolactam</td>
<td></td>
<td>2235-00-9</td>
<td>&lt;25</td>
</tr>
<tr>
<td>Alkyl Acrylate Ester #2</td>
<td>Proprietary</td>
<td></td>
<td>&lt;10</td>
</tr>
<tr>
<td>Multi-Functional Acrylate Ester</td>
<td>Proprietary</td>
<td></td>
<td>&lt;10</td>
</tr>
<tr>
<td>Aliphatic Urethane Acrylate</td>
<td>Proprietary</td>
<td></td>
<td>&lt;5</td>
</tr>
<tr>
<td>Alkyl Acrylate Ester #1</td>
<td>Proprietary</td>
<td></td>
<td>&lt;5</td>
</tr>
<tr>
<td>Proprietary initiator</td>
<td>Proprietary</td>
<td></td>
<td>&lt;5</td>
</tr>
<tr>
<td>Benzophenone</td>
<td></td>
<td>119-61-9</td>
<td>&lt;2.5</td>
</tr>
<tr>
<td>Nickel, 5,5’-azobis-2,4,6(1H,3H,5H)-pyrimidinetron Complexes</td>
<td></td>
<td>68511-62-6</td>
<td>&lt;2.5</td>
</tr>
<tr>
<td>2-benzyl-2-dimethylamino-4-morpholinobutyrophene</td>
<td></td>
<td>119313-12-1</td>
<td>&lt;1</td>
</tr>
</tbody>
</table>

4. First-aid measures

Inhalation
Move to fresh air. If symptoms persist, get medical attention.

Skin contact
Wash affected areas thoroughly with mild soap and water. If irritation persists get medical attention.

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.

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.

Most important symptoms/effects, acute and delayed
Not available.

5. Fire-fighting measures

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

Unsuitable extinguishing media
Water may be ineffective. Do not use a solid water stream as it may scatter and spread fire.
Specific hazards arising from the chemical
Not applicable.

Special protective equipment and precautions for firefighters
Not available.

Fire-fighting equipment/instructions
Avoid runoff into storm sewers and ditches which lead to waterways.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures
Wear appropriate personal protective equipment. Do not touch or walk through spilled material.

Methods and materials for containment and cleaning up
Not available.

Environmental precautions
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

Precautions for safe handling
Avoid contact with skin, eyes and clothing.

Conditions for safe storage, including any incompatibilities
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

<table>
<thead>
<tr>
<th>U.S. - OSHA Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nickel, 5,5'-azobis-2,4,6(1H,3H,5H)-pyrimidinetrione Complexes (CAS 68511-62-6)</td>
<td>PEL</td>
<td>1 mg/m³</td>
<td>29 CFR 1910.1000 (Subpart Z)</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>1 mg/m³</td>
<td>29 CFR 1910.1000 (Subpart Z)</td>
</tr>
</tbody>
</table>

US. Workplace Environmental Exposure Level (WEEL) Guides

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzophenone (CAS 119-61-9)</td>
<td>TWA</td>
<td>0.5 mg/m³</td>
</tr>
</tbody>
</table>

Biological limit values
No biological exposure limits noted for the ingredient(s).

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

Appropriate engineering controls
Not available.

Individual protection measures, such as 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
Hand protection
Wear appropriate chemical resistant gloves.

Other
Wear appropriate chemical resistant clothing.

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

Thermal hazards
Not available.

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 and chemical properties

Appearance
Liquid.
Color: Yellow
Odor: Characteristic.
Odor threshold: Not available.
PH: Not available.
Melting point/freezing point: Not available.
Initial boiling point and boiling range: Not available.
Flash point: > 199.9 °F (> 93.3 °C) Closed Cup
Evaporation rate: Not available.
Flammability (solid, gas): Not available.
Upper/lower flammability or explosive limits:
  Flammability limit - lower (%): Not available.
  Flammability limit - upper (%): Not available.
  Explosive limit - lower (%): Not available.
  Explosive limit - upper (%): Not available.
Vapor pressure: Not available.
Solubility(ies):
  Solubility (water): Not available.
Partition coefficient (n-octanol/water): Not available.
Auto-ignition temperature: Not available.
Decomposition temperature: Not available.
Viscosity: Not available.
Other information:
  Chemical family: Acrylate/Polymer/Pigment Blend
Other information:
  For other VOC regulatory data/information see Section 15.
VOC (Weight %): < 95 g/L

10. Stability and reactivity
Reactivity: Not available.
Chemical stability: Stable under normal storage conditions.
Possibility of hazardous reactions:
  Hazardous polymerization can occur with decreased inhibitor content.
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.

11. Toxicological information
Symptoms related to the physical, chemical and toxicological characteristics: Not available.
Information on toxicological effects:
Acute toxicity: Based on available data, the classification criteria are not met.
Skin corrosion/irritation: Causes skin irritation.
Serious eye damage/eye irritation: Causes serious eye irritation.
Respiratory or skin sensitization:
  Respiratory sensitization: Based on available data, the classification criteria are not met.
  Skin sensitization: May cause sensitization by skin contact.
Germ cell mutagenicity  Based on available data, the classification criteria are not met.  None known.

Carcinogenicity  Based on available data, the classification criteria are not met.

IARC Monographs. Overall Evaluation of Carcinogenicity  Benzophenone (CAS 119-61-9) 2B Possibly carcinogenic to humans.

Reproductive toxicity  Suspected of damaging fertility.

Specific target organ toxicity  Based on available data, the classification criteria are not met.

- single exposure

Specific target organ toxicity  Causes damage to organs (liver, respiratory system) through prolonged or repeated exposure.

- repeated exposure

Aspiration hazard  Based on available data, the classification criteria are not met.

Further information  Complete toxicity data are not available for this specific formulation

Components  Species  Test Results

Benzophenone (CAS 119-61-9)

Acute

Oral

LD50  Mouse  2895 mg/kg

Other

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)

Aquatic

Fish

LC50  Fathead minnow (Pimephales promelas)  9.64 - 12.31 mg/l, 96 hours

Persistence and degradability  Not available.

Bioaccumulative potential  Not available.

Mobility in soil  Not available.

Other adverse effects  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  Not regulated as dangerous goods.

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

IATA

| UN number | UN3082 |
| Transport hazard class(es) | Environmentally Hazardous Substance, Liquid, N.O.S. (Acrylates) |
| Class | 9 |
| Subsidiary risk | - |
| Packing group | III |
| Environmental hazards | Yes |
| Special precautions for user | Not available. |
When shipping ≤ 5L inner packaging, Special Provision A197 may apply.

**IMDG**

UN number: UN3082  
UN proper shipping name: Environmentally Hazardous Substance, Liquid, N.O.S. (Acrylates), MARINE POLLUTANT  
Transport hazard class(es):  
- Class: 9  
- Subsidiary risk: -  
- Packing group: III  
- Environmental hazards:  
  - Marine pollutant: Yes  
EmS: F-A, S-F  
Special precautions for user: Not available.

When shipping ≤ 5L containers, IMDG 2.10.2.7 may apply.

**ADR**

Proper shipping name: Environmentally Hazardous Substance, Liquid, N.O.S. (Acrylates)  
Hazard class: 9  
UN number: 3082  
Packing group: III  
Marine pollutant: Yes

When shipping ≤ 5L containers, ADR 375 may apply.

**IATA; IMDG**

Material name: CH132Series  
Version #: 06  
Revision date: 09-Aug-2015  
Issue date: 30-Apr-2014

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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.

CERCLA Hazardous Substance List (40 CFR 302.4)
Not listed.

SARA 304 Emergency release notification
Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)
Hazard categories
Immediate Hazard - Yes
Delayed Hazard - Yes
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

SARA 302 Extremely hazardous substance
Not listed.

SARA 311/312
Hazardous chemical
No

Other federal regulations
Safe Drinking Water Act (SDWA)
Not regulated.

US state regulations
US. Massachusetts RTK - Substance List
Not regulated.
US. New Jersey Worker and Community Right-to-Know Act
Not listed.
US. Pennsylvania Worker and Community Right-to-Know Law
Not listed.
US. Rhode Island RTK
Not regulated.
US. California Proposition 65

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance
BENZOPHENONE (CAS 119-61-9) Listed: June 22, 2012

Other information
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)

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

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

Issue date 30-Apr-2014
Revision date 09-Aug-2015
Version # 06
Disclaimer
This Safety Data Sheet document is provided without charge to customers of HP. Data is the most current known to HP 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
Other information, including date of preparation or last revision: Disclaimer

Manufacturer information
HP
1501 Page Mill Road
Palo Alto, CA 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