# SAFETY DATA SHEET

## 1. Identification

<table>
<thead>
<tr>
<th>Product identifier</th>
<th>CH117Series</th>
</tr>
</thead>
<tbody>
<tr>
<td>Other means of identification</td>
<td>HP Designjet 788 Magenta Ink</td>
</tr>
<tr>
<td>Synonyms</td>
<td>HP Designjet 788 Magenta Ink</td>
</tr>
<tr>
<td>Recommended use</td>
<td>Inkjet printing</td>
</tr>
<tr>
<td>Recommended restrictions</td>
<td>None known.</td>
</tr>
</tbody>
</table>
| Company identification | HP Inc.  
1501 Page Mill Road  
Palo Alto, CA 94304-1112  
United States  
Telephone 650-857-5020 |

HP Inc. health effects line
(Toll-free within the US) 1-800-457-4209
(Direct) 1-760-710-0048
HP Inc. 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 1
- 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

![Safety Symbols]

**Signal word**  
Danger

**Hazard statement**  
Causes skin irritation. Causes serious eye damage. 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.
P310 - Immediately call a POISON CENTER or doctor/physician.
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).
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 Glycerolpropoxytriacylate. 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>Acrylic acid ester</td>
<td>Proprietary</td>
<td>&lt;40</td>
<td></td>
</tr>
<tr>
<td>Carboxylic Acids, Esters</td>
<td>Proprietary</td>
<td>&lt;25</td>
<td></td>
</tr>
<tr>
<td>Vinylcaprolactam</td>
<td>Proprietary</td>
<td>&lt;25</td>
<td></td>
</tr>
<tr>
<td>Difunctional acrylic monomer</td>
<td>Proprietary</td>
<td>&lt;10</td>
<td></td>
</tr>
<tr>
<td>Acrylate ester</td>
<td>Proprietary</td>
<td>&lt;5</td>
<td></td>
</tr>
<tr>
<td>Alkyl Acrylate Ester</td>
<td>Proprietary</td>
<td>&lt;5</td>
<td></td>
</tr>
<tr>
<td>Proprietary initiator</td>
<td>Proprietary</td>
<td>&lt;5</td>
<td></td>
</tr>
<tr>
<td>2-benzyl-2-dimethylamino-4-morpholinobutyrophene</td>
<td>119313-12-1</td>
<td>&lt;1</td>
<td></td>
</tr>
<tr>
<td>Benzophenone</td>
<td>119-61-9</td>
<td>&lt;1</td>
<td></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.
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>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. Recommended gloves: Nitrile 6 mil minimum thickness.

**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**

**Physical state**
Liquid.

**Color**
Magenta

**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**
> 212.0 °F (> 100.0 °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 damage.

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.

Carcinogenicity:
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 - single exposure: Based on available data, the classification criteria are not met.
Specific target organ toxicity - repeated exposure: Causes damage to organs (liver, respiratory system) through prolonged or 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

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzophenone (CAS 119-61-9)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acute</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oral</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Mouse</td>
<td>2895 mg/kg</td>
</tr>
<tr>
<td>Other</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Mouse</td>
<td>727 mg/kg</td>
</tr>
</tbody>
</table>

12. Ecological information

Ecotoxicity

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

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzophenone (CAS 119-61-9)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aquatic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
<td>Fathead minnow (Pimephales promelas) 9.64 - 12.31 mg/l, 96 hours</td>
</tr>
</tbody>
</table>

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

IATA supplemental information

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
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; Benzopenone, 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; Quinacridone Violet
SARA 302/304/311/312 hazardous chemicals: 302/304: Hydroquinone

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
29-Apr-2014

Revision date
12-Aug-2016

Version #
07

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
Composition / Information on Ingredients
Exposure controls/personal protection: <INDENT>Hand protection
GHS: Qualifiers

Manufacturer Information
HP Inc.
1501 Page Mill Road
Palo Alto, CA 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>
</tr>
</tbody>
</table>