



# MATERIAL SAFETY DATA SHEET

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product name** CH128Series  
**Synonym(s)** ColorSpan 0901582-106 (3M 5481 Light Magenta Inkjet Ink)  
**Product use** Inkjet printing.  
**Company identification** Hewlett-Packard Japan, Ltd.  
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Poison Information Centre telephone number 0120-50-3024

## 2. HAZARDS IDENTIFICATION

**Emergency Overview** Causes severe irritation of eyes, skin and mucous membranes.  
After contact with skin, wash immediately with plenty of water.

**Acute health effects**

**Skin contact** Avoid contact with skin.  
Prolonged or repeated skin contact may cause skin irritation or allergic skin sensitisation reaction.

**Eye contact** Irritating to eyes.

**Inhalation** Avoid breathing vapours or mists of this product. Inhalation of vapours or mists of the product may be irritating to the respiratory system.

**Ingestion** Ingestion is not expected to be a primary route of exposure for this product under normal use conditions. Harmful if swallowed. Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

**Potential health effects**

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

**Chronic health effects** *Diphenyl (2,4,6-trimethylbenzoyl) phosphineoxide*  
In animal testing, risk of impaired fertility was shown only after administration of very high doses of this substance.

**Classification** Xi;R36/38, R43, N;R51/53

**Physical hazards** Not classified as a physical hazard.

**Health hazards** Irritating to eyes and skin. May cause sensitisation by skin contact.

**Environmental hazards** Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS #	Percent
Tetrahydrofurfuryl Acrylate	2399-48-6	10-30
Isobornyl Acrylate	5888-33-5	10-25
Isooctyl Acrylate	29590-42-9	10-25
1,6-Hexanediol Diacrylate	13048-33-4	5.39
Benzophenone	119-61-9	5.39
Acrylic Ester	Unknown	1-5
Aliphatic Urethane Acrylate	Unknown	1-10
Amine Modified Acrylate Oligomer	Unknown	5-20
Diphenyl (2,4,6-trimethylbenzoyl) phosphineoxide	75980-60-8	1-10

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## 4. FIRST AID MEASURES

<b>In Case of Inhalation</b>	Move person to fresh air immediately. Call a physician if symptoms develop or persist.
<b>Skin contact</b>	In case of contact, immediately remove contaminated clothing and flush skin with copious amounts of water. Wash clothing separately before reuse. Get medical attention.
<b>Eye contact</b>	In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention immediately.
<b>Ingestion</b>	Rinse mouth out with water. If swallowed, do NOT induce vomiting. Drink one to two glasses of water. Never give anything by mouth to an unconscious person. Get medical attention immediately.

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## 5. FIRE-FIGHTING MEASURES

<b>Flash point</b>	93.3 °C (200 °F) Closed cup
<b>Extinguishing media</b>	Dry chemical, carbon dioxide.
<b>Extinguishing media to avoid</b>	Water may be ineffective.
<b>Unusual fire &amp; explosion hazards</b>	Containers may explode when heated.
<b>Protection of fire-fighters</b>	Move containers from fire area if you can do it without risk.
<b>Special protective equipment for fire-fighters</b>	Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask.
<b>Hazardous combustion products</b>	Carbon monoxide and carbon dioxide.

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## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions, protective equipment and emergency measures</b>	Avoid contact with skin. Avoid inhalation of vapors or mists. Do not touch or walk through spilled material. Ensure adequate ventilation. Use personal protective equipment to minimize exposure to skin and eye.
<b>Environmental precautions</b>	Do not flush into surface water or sanitary sewer system.
<b>Clean-up methods and materials and containment measures</b>	Not available.
<b>Methods for cleaning up</b>	Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.
<b>Other information</b>	Soak up with inert absorbent material.

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## 7. HANDLING AND STORAGE

### Handling

<b>Technical measures</b>	Not available.
<b>Local and general ventilation</b>	Not available.
<b>Precautions</b>	Not available.
<b>Safe handling advice</b>	Avoid contact with skin, eyes and clothing.

### Storage

<b>Technical measures</b>	Do not handle or store near an open flame, heat or other sources of ignition. Keep away from excessive heat or cold. Do not store in direct sunlight.
<b>Suitable storage conditions</b>	Not available.
<b>Incompatible materials</b>	Not available
<b>Safe packaging materials</b>	Not available.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Personal protective equipment

<b>Respiratory protection</b>	Do not breathe dust or spray mist. Provide adequate ventilation. A NIOSH- approved air purifying respirator with an organic vapour cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits.
<b>Hand protection</b>	Not available.
<b>Eye protection</b>	Wear safety glasses with side shields (or goggles) and a face shield. Eye wash fountain and emergency showers are recommended.

**Skin and body protection** Wear appropriate chemical resistant clothing. Wear appropriate chemical resistant gloves. The use of nitrile-latex gloves is recommended. When material is heated, wear gloves to protect against thermal burns.

**Hygiene measures** Do not get this material in contact with skin. Avoid contact with skin, eyes and clothing. When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product.  
Launder contaminated clothing before reuse.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

<b>Physical state</b>	Liquid
<b>Colour</b>	Light Magenta
<b>Odour</b>	Acrylic.
<b>pH</b>	Not available.
<b>Melting point/freezing point</b>	Not available.
<b>Boiling point, initial boiling point, and boiling range</b>	93.3 °C (200 °F)
<b>Flash point</b>	93.3 °C (200 °F) Closed cup
<b>Auto-ignition temperature</b>	Not available.
<b>Flammability limit - lower (%)</b>	Not available.
<b>Flammability limit - upper (%)</b>	Not available.
<b>Vapour pressure</b>	10 mmHg @ 20C
<b>Vapour density</b>	Not available.
<b>Specific gravity</b>	Not available.
<b>Density</b>	444 g/cm <sup>3</sup>
<b>Solubility</b>	Negligible
<b>Partition coefficient (n-octanol/water)</b>	Not available
<b>Decomposition temperature</b>	Not available.
<b>Other data</b>	
<b>Chemical family</b>	Acrylate/Polymer/Pigment blend
<b>Kinematic viscosity</b>	Not available.
<b>Kinematic viscosity temp</b>	Not available.
<b>VOC (Weight %)</b>	< 95 g/l

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## 10. STABILITY AND REACTIVITY

<b>Stability</b>	Stable at normal conditions.
<b>Possibility of hazardous reactions</b>	Hazardous polymerisation can occur with decreased inhibitor content.
<b>Conditions to avoid</b>	Heat, flames and sparks. This product may react with oxidizing agents.
<b>Incompatible materials</b>	Not available.
<b>Hazardous decomposition products</b>	Carbon monoxide and carbon dioxide.

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## 11. TOXICOLOGICAL INFORMATION

### Carcinogenicity

#### IARC Monographs. Overall Evaluation of Carcinogenicity

Benzophenone (CAS 119-61-9)

2B Possibly carcinogenic to humans.

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

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## 12. ECOLOGICAL INFORMATION

### Ecotoxicological data

#### Components

#### Test results

Benzophenone (119-61-9)

LC50 Fathead minnow (*Pimephales promelas*): 9.64 mg/l 96.00 hours

**Aquatic toxicity** This product has not been tested for ecological effects.

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### 13. DISPOSAL CONSIDERATIONS

**Local disposal regulations** Do not allow this material to drain into sewers/water supplies.  
Dispose of in compliance with federal, state, and local regulations.

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### 14. TRANSPORT INFORMATION

**Further information** not regulated

**ADR**

Not regulated as dangerous goods.

**IATA**

Not regulated as dangerous goods.

**IMDG**

Not regulated as dangerous goods.

**RID**

Not regulated as dangerous goods.

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### 15. REGULATORY INFORMATION

**Industrial Safety and Health Law**

**Substances subject to notification**

Not regulated.

**Poisonous and Deleterious Substances Control Law**

**Deleterious substances**

Not regulated.

**Poisonous substances**

Not regulated.

**Specified poisonous substances**

Not regulated.

**PRTR and Promotion of Chemical Management Law, old regulated substances (Cabinet Order No. 328, 2004)**

**Specified class 1 substances (substance name and PRTR no.)**

Not regulated.

**Class 1 substances (substance name and PRTR no.)**

Not regulated.

**Class 2 substances (substance name and PRTR no.)**

Not regulated.

**PRTR and Promotion of Chemical Management Law, new regulated substances (Cabinet Order No. 356, 2008)**

**Specified class 1 substances (substance name and PRTR no.)**

Not regulated.

**Class 1 substances (substance name and PRTR no.)**

1,6-Hexanediol Diacrylate (CAS 13048-33-4)	306
Benzophenone (CAS 119-61-9)	403

**Class 2 substances (substance name and PRTR no.)**

Not regulated.

**Fire Service Law**

Class 4 Group 3 oils (Non-water soluble) Hazard rank III

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### 16. OTHER INFORMATION

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.

**Version number** 02

**This data sheet contains changes from the previous version in section(s):** Product and Company Identification: Alternate Trade Names  
HANDLING AND STORAGE: Safe handling advice  
HANDLING AND STORAGE: Technical measures  
PHYSICAL AND CHEMICAL PROPERTIES: Colour

**Issue date** 25-May-2012

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**Manufacturer information** Hewlett-Packard Company  
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Product information 1-800-925-0563

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## 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: &lt;value&gt;</b>	Toxicity Characteristics Leaching Procedure
<b>TLV</b>	Threshold Limit Value
<b>TSCA</b>	Toxic Substances Control Act
<b>VOC</b>	Volatile Organic Compounds