



MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Identification of the preparation CH216Series

Synonym(s) HP Scitex FB250 Cyan Ink

Product use Inkjet printing.

Version # 05

Revision date 21-Dec-2012

CAS # Mixture

Company identification Hewlett-Packard Company
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United States
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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.

Acute health effects

Skin contact Contact causes skin irritation. Avoid contact with the skin.

Eye contact Irritating to eyes. Avoid contact with eyes.

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.

Potential health effects

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

Chronic health effects *Proprietary initiator*
In animal testing, risk of impaired fertility was shown only after administration of very high doses of this substance.

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

3. Composition / Information on Ingredients

Components	CAS #	Percent
N-vinylcaprolactam	2235-00-9	< 25
2-Phenoxy-ethyl acrylate	48145-04-6	< 40
Aliphatic Urethane Acrylate	-----	< 10
Alkyl Acrylate Ester	-----	< 2.5
Alkyl Acrylate Ester	-----	< 2.5
benzophenone	119-61-9	< 2.5
CARBOXYLIC ACIDS, ESTERS	3076-04-8	< 25

Multi-Functional Acrylate Ester	-----	< 5
Proprietary initiator	Proprietary	< 5

4. First Aid Measures

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.

General advice No additional information

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

Protective equipment and precautions for firefighters	Avoid runoff into storm sewers and ditches which lead to waterways.
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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

Occupational exposure limits

U.S. - WEEL

Components	Type	Value
benzophenone (119-61-9)	TWA	0.5000 mg/m3

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.
Color	Cyan
Odor	Characteristic.
Odor threshold	Not available.
Physical state	Liquid
Form	Liquid.
pH	Not available.
Melting point	Not available.
Freezing point	Not available.
Boiling point	Not available.
Flash point	> 230 °F (> 110 °C) Closed Cup
Evaporation rate	Not available.
Flammability limits in air, upper, % by volume	Not available.
Flammability limits in air, lower, % by volume	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Specific gravity	Not available.
Relative density	Not available.
Solubility (water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
VOC	< 95 g/L
Other information	For other VOC regulatory data/information see section 15.

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

Carcinogenicity	Benzophenone is classified by the IARC as a Group 2B carcinogen (the substance is possibly carcinogenic to humans).	
IARC Monographs. Overall Evaluation of Carcinogenicity		
	benzophenone (CAS 119-61-9)	2B Possibly carcinogenic to humans.
Acute toxicity	Causes skin irritation.	
Serious eye damage/eye irritation	Causes eye irritation.	
Sensitization	May cause sensitization by skin contact.	
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.
Persistence and degradability	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.
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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; heptane SARA 302/304/311/312 hazardous chemicals: Benzophenone: tridecyl acrylate
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DEA Exempt Chemical Mixtures Code Number

Not regulated.

Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))

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.

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

benzophenone (CAS 119-61-9)

0.1 % One-Time Export Notification only.

CERCLA (Superfund) reportable quantity

None

Occupational Safety and Health Administration (OSHA)

29 CFR 1910.1200 hazardous chemical	No
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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
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Section 302 extremely hazardous substance	No
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Section 311 hazardous chemical	Yes
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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.

Regulatory information

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

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

16. Other Information**Other information**

This MSDS was prepared in accordance with USA OSHA Hazard Communications regulation (29 CFR 1910.1200).

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.

Issue date

21-Dec-2012

Manufacturer information

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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