



MATERIAL SAFETY DATA SHEET

1. Chemical product and company identification

1: Product name CP511 Series

2: Recommended use and Limitations on use

Recommended use Inkjet printing

Company identification HP Korea House
23-6 Yoido-dong
Youngdeungpo-gu
Seoul 150-742, Korea
Telephone (+82) 22199-0114

Hewlett-Packard health effects line
(Toll-free within the US) 1-800-457-4209
(Direct) 1-503-494-7199
HP Customer Care Line
(Toll-free within the US) 1-800-474-6836
(Direct) 1-208-323-2551
Email: hpcustomer.inquiries@hp.com

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Synonym(s) HP Scitex FB221 Cyan Ink

2. Hazards identification

A. Hazard category/Classification

Physical hazards	Not classified.	
Health hazards	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2
	Skin sensitizer	Category 1
	Toxic to reproduction (fertility, the unborn child)	Category 1B
	Specific target organ toxicity - single exposure	Category 3 respiratory tract irritation
	Specific target organ toxicity - repeated exposure	Category 2 (liver, nose)
Environmental hazards	Hazardous to the aquatic environment	Category Chronic 3

B. Warning label items including precautionary statement

• **Pictogram**



• **Signal word**

Danger

• **Hazard statement**

Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. May damage fertility. May damage the unborn child. May cause respiratory irritation. May cause damage to organs (liver, nose) through prolonged or repeated exposure. Harmful to aquatic life with long lasting effects.

• **Precautionary statement**

Prevention

P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Do not breathe fume/gas/mist/vapors/spray.
P271 - Use only outdoors or in a well-ventilated area.
P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
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.
 P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P312 - Call a POISON CENTER/doctor/physician if you feel unwell.
 P362 - Take off contaminated clothing and wash before reuse.

Storage

P405 - Store locked up.
 P403 + P233 - Store in a well-ventilated place. Keep container tightly closed.

Disposal

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

C. Other hazards not included in the hazard category criteria (e.g. dust explosion hazard) Not available.

Other hazards Diphenyl (2,4,6-trimethylbenzoyl) phosphineoxide - In animal testing, risk of impaired fertility was shown only after repeated ingestion of very high doses of this substance.

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

3. Composition/information on ingredients

Chemical identity	Common and CAS number alternative names	ID number	Content in percent (%)
Neopentylglycol propoxylate diacrylate	84170-74-1	KE-25813, KE-05-1064	<30
Ethoxylated Trimethylolpropane Triacrylate	28961-43-5	KE-20308	<25
Acrylate Ester	Proprietary	Proprietary	<20
N-vinylcaprolactam	2235-00-9	KE-13281, 97-3-88, 2001-3-1805	<20
Propiophenone derivative	Proprietary	Proprietary	<5
Acrylated Oligoamine Resin	Proprietary		<2.5
Blue Pigment	Proprietary	Proprietary	<2.5
Diphenyl (2,4,6-trimethylbenzoyl) phosphine	75980-60-8	KE-12103	<2.5
Photo Initiator	Proprietary	Proprietary	<2.5
Fragrance	Proprietary	Proprietary	<1

4. First aid measures

- A. In case of 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.
- B. In case of skin contact** Wash affected areas thoroughly with mild soap and water. If irritation persists get medical attention.
- C. In case of inhalation** Move to fresh air. If symptoms persist, get medical attention.
- D. In case of swallowing** If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting. Never give anything by mouth to an unconscious person.
- E. Note to physician** Not available.

5. Fire-fighting measures**A. Suitable (and unsuitable) extinguishing media**

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

B. Specific hazards arising from the chemical (example: hazardous combustion products) Not available.

C. Specific methods of fire-fighting Not available.

6. Accidental release measures

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

B. Environmental precautions Do not let product enter drains. Do not flush into surface water or sanitary sewer system. See also section 13 Disposal considerations.

C. Methods and materials for containment and cleaning up Not available.

7. Handling and storage

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

B. 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.

8. Exposure controls/personal protection

A. Exposure limit values, biological limit values, etc

No exposure limits noted for ingredient(s).

B. Appropriate engineering controls Not available.

C. Personal protective equipment

- **Respiratory protection** Provide adequate ventilation. In case of insufficient ventilation wear suitable respiratory equipment.
- **Eye protection** Wear safety glasses; chemical goggles (if splashing is possible). Eye wash fountain and emergency showers are recommended.
- **Hand protection** Not available.
- **Body protection** Wear appropriate chemical resistant gloves.
Wear appropriate chemical resistant clothing.

Hygiene measures 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.

Recommended monitoring procedures

Additional exposure data Exposure limits have not been established for this product.

9. Physical and chemical properties

A. Appearance

Physical state Liquid.

Form Liquid.

Color Cyan

B. Odor Characteristic.

C. Odor threshold Not available.

D. pH Not available.

E. Melting point/freezing point Not available.

F. Boiling point, initial boiling point, and boiling range Not available.

G. Flash point > 149.00 °F (> 65.00 °C) Closed Cup

H. Evaporation rate Not available.

I. Flammability (solid, gas) Not available.

J. Upper/lower limit on flammability or explosive limits

Flammability limit - lower (%) Not available.

Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
K. Vapor pressure	Not available.
L. Solubility	Not available.
N. Specific gravity	Not available.
O. n-octanol/water partition coefficient	Not available.
P. Auto-ignition temperature	Not available.
Q. Decomposition temperature	Not available.
R. Viscosity	Not available.
S. Molecular weight	Not available.
Other data	
VOC (Weight %)	< 95 g/L

10. Stability and reactivity

A. Stability and hazardous reaction potential

Stability	Stable under normal storage conditions.
Hazardous reaction potential	Hazardous polymerization can occur with decreased inhibitor content.

B. Conditions to avoid (e.g. static discharge, shock or vibration, etc) Exposure to sunlight.

C. Incompatible materials Incompatible with strong bases and oxidizing agents. alkaline metals

D. 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

A. Information on likely routes of exposure

- **Respiratory organs** Not available.
- **Mouth** Not available.
- **Eyes** Not available.
- **Skin** Not available.

B. Information on health hazards

- **Acute toxicity (list all possible routes of exposure)** No data available.
- **Corrosivity or irritation to the skin** Not available.
- **Serious eye damage/eye irritation** Not available.
- **Respiratory sensitization** Not available.
- **Skin sensitization** Not available.
- **Carcinogenic properties /Carcinogenicity** Not available.
- **Mutagenic properties /Mutagenicity** Not available.
- **Reproductive toxicity** Not available.
- **Specific target organ toxicity - single exposure** Not available.
- **Specific target organ toxicity - repeated exposure** Not available.

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

B. Information on health hazards

- **Aspiration hazard** Not available.

12. Ecological information

A. Ecotoxicity (Component) No data available.

Hazardous to the aquatic environment, acute hazard Not available.

Hazardous to the aquatic environment, long-term hazard Not available.

B. Persistence/degradability Not available.

C. Bioaccumulative potential Not available.

D. Mobility in soil Not available.

E. Other adverse effects Not available.

Aquatic toxicity Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

13. Disposal considerations

A. Method of disposal 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.

B. Disposal considerations (including disposal of contaminated containers or packaging) Not available.

14. Transport information

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

15. Regulatory information

A. Restrictions under the Industrial Safety and Health Law

Harmful Substances Prohibited from Manufacturing

Not regulated.

Harmful Substances Requiring Permission for Manufacture or Use

Not regulated.

Controlled Hazardous Substances

Not regulated.

Harmful Substances Requiring Special Medical Examination

Not regulated.

Workplace Environmental Monitoring Harmful Materials

Not regulated.

Occupational Exposure Limit

Not regulated.

B. Restrictions under the Toxic Chemicals Control Law

Accidental Release Prevention Substances

Not regulated.

Banned Toxic Chemicals

Not regulated.

Observational Chemicals

Not regulated.

Restricted Chemical Substances

Not regulated.

Toxic Chemicals

Not regulated.

C. Restrictions under the Dangerous Substance Safety Management Act

D. Restrictions under the Wastes Control Act

Halogenated Materials in Waste Organic Solvents

Not regulated.

Hazardous Substances

Not regulated

E. Restrictions under other foreign or domestic laws

Clean Air Conservation Act

Air Pollutants

Not regulated.

Specific Air Pollutants

Not regulated.

Further information

Accidental Release Prevention Substances

Not regulated.

Banned Toxic Chemicals

Not regulated.

Harmful Substances Prohibited from Manufacturing

Not regulated.

Korea TRI: Reportable threshold

Blue Pigment (CAS Proprietary) 10 TON

Korea TRI: Threshold limits

Blue Pigment (CAS Proprietary) 1.0 %WT

Observational Chemicals

Not regulated.

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

A. Source of information

Not available.

B. Issue date

31-May-2013

C. Number of revisions and date of most recent revision

04-Sep-2013 (02 revision)

D. Other

Not available.

Disclaimer

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This data sheet contains changes from the previous version in section(s):

3. Composition / Information on Ingredients: Ingredients

Manufacturer information

Hewlett-Packard Company
3000 Hanover Street
Palo Alto, California 94304-1112 US
(Direct) +972 (9) 892-4628

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