



# MATERIAL SAFETY DATA SHEET

## 1. Product and company identification

**Product name** CP511 Series  
**Synonyms** HP Scitex FB221 Cyan Ink  
**Recommended use** Inkjet printing  
**Limitations on use** Not available.  
**Version #** 03  
**Company identification** Hewlett-Packard AO  
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## 2. Hazards identification

**Classification** Xi;R36/37/38, R52/53  
**Hazard summary**  
**Physical hazards** Not classified for physical hazards.  
**Health hazards** Irritating to eyes, respiratory system and skin.  
**Environmental hazards** Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
**Specific hazards** Not available.  
**Other hazards** Potential routes of exposure to this product are skin and eye contact, ingestion, and inhalation.

## 3. Composition/information on ingredients

Substance or mixture	CAS Number	Concentration (%)
Neopentylglycol propoxylate diacrylate	84170-74-1	<30
Ethoxylated Trimethylolpropane Triacrylate	28961-43-5	<25
Acrylate Ester	Proprietary	<20
N-vinylcaprolactam	2235-00-9	<20
Propiophenone derivative	Proprietary	<5
Acrylated Oligoamine Resin	Proprietary	<2.5
Blue Pigment	Proprietary	<2.5
Diphenyl (2,4,6-trimethylbenzoyl) phosphine	75980-60-8	<2.5
Photo Initiator	Proprietary	<2.5
Fragrance	Proprietary	<1

## 4. First aid measures

### First aid measures for different exposure routes

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

<b>Eye contact</b>	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>Most important symptoms and effects</b>	Not available.
<b>Notes to physician</b>	Not available.

## 5. Fire-fighting measures

<b>Flash point</b>	> 149.00 °F (> 65.00 °C) Closed Cup
<b>General fire hazards</b>	None.
<b>Suitable extinguishing media</b>	Dry powder. Carbon dioxide (CO2). Water may be ineffective.
<b>Unsuitable extinguishing media</b>	Water.
<b>Specific hazards during fire fighting</b>	None.
<b>Special fire fighting procedures</b>	None.
<b>Personal protective equipment for fire-fighting</b>	Avoid runoff into storm sewers and ditches which lead to waterways.

## 6. Accidental release measures

<b>Personal precautions</b>	Wear appropriate personal protective equipment. Do not touch or walk through spilled material.
<b>Environmental precautions</b>	Do not let product enter drains. Do not flush into surface water or sanitary sewer system. See also section 13 Disposal considerations.
<b>Clean-up methods and materials and containment measures</b>	Not available.

## 7. Handling and storage

<b>Handling</b>	
<b>Safe handling advice</b>	Avoid contact with skin, eyes and clothing.
<b>Storage</b>	
<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>Incompatible materials</b>	Not available.

## 8. Exposure controls/personal protection

### Occupational exposure limits

**Russian Federation. Hygiene Norm GN 2.2.5.1313-03. Executive No. 76 of 30 April 2003. Maximum allowable concentration (MAC) of harmful substances in the air of working zones, as amended.**

Components	Type	Value	Form
Blue Pigment (CAS Proprietary)	TWA	5 mg/m3	Aerosol.

<b>Engineering measures</b>	Not available.
<b>Personal protective equipment</b>	
<b>Respiratory protection</b>	Provide adequate ventilation. In case of insufficient ventilation wear suitable respiratory equipment.
<b>Hand protection</b>	Not available.
<b>Eye protection</b>	Wear safety glasses; chemical goggles (if splashing is possible). Eye wash fountain and emergency showers are recommended.
<b>Skin and body protection</b>	Wear appropriate chemical resistant gloves. Wear appropriate chemical resistant clothing.

## 9. Physical and chemical properties

### Appearance

<b>Physical state</b>	Liquid.
<b>Form</b>	Liquid.
<b>Color</b>	Cyan
<b>Odor</b>	Characteristic.
<b>Odor threshold</b>	Not available.

<b>pH</b>	Not available.
<b>Melting point/freezing point</b>	Not available.
<b>Initial boiling point and boiling range</b>	Not available.
<b>Flash point</b>	> 149.00 °F (> 65.00 °C) Closed Cup
<b>Heat of combustion</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	Not available.
<b>Flammability limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Solubility</b>	Not available.
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Other data</b>	
<b>VOC (Weight %)</b>	< 95 g/L

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## 10. Stability and reactivity

<b>Stability</b>	Stable under normal storage conditions.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization can occur with decreased inhibitor content.
<b>Conditions to avoid</b>	Exposure to sunlight.
<b>Incompatible materials</b>	Incompatible with strong bases and oxidizing agents. alkaline metals
<b>Hazardous decomposition products</b>	Upon decomposition, this product may yield gaseous nitrogen oxides, carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

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## 11. Toxicological information

<b>Acute toxicity</b>	Not available.
<b>Routes of exposure</b>	Not available.
<b>Symptoms</b>	Not available.
<b>Carcinogenicity</b>	
<b>Hygiene Norm GN 1.1.725-98. List of chemical compounds, products, industrial processes, natural and domestic factors which are carcinogenic for humans. 23 Dec 1998</b>	
Not listed.	
<b>Specific target organ toxicity - single exposure</b>	No data available.
<b>Specific target organ toxicity - repeated exposure</b>	No data available
<b>Chronic effects</b>	Not available.
<b>Other information</b>	Complete toxicity data are not available for this specific formulation

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## 12. Ecological information

<b>Ecotoxicity</b>	Not available.
<b>Aquatic toxicity</b>	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
<b>Persistence and degradability</b>	Not available.
<b>Bioaccumulation</b>	Not available.
<b>Mobility in soil</b>	Not available.
<b>Other hazardous effects</b>	Not available.

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### 13. Disposal considerations

**Local disposal regulations**

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.  
Dispose of in compliance with Israeli Ministry of the Environment and local regulations.

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### 14. Transport information

**International regulations****ADR**

Not regulated as dangerous goods.

**IATA**

Not regulated as dangerous goods.

**IMDG**

Not regulated as dangerous goods.

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### 15. Regulatory information

**Applicable regulations**

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.

**Hygiene Norm GN 1.1.725-98. List of chemical compounds, products, industrial processes, natural and domestic factors which are carcinogenic for humans. 23 Dec 1998**

Not listed.

**Russian Federation. Hygiene Norm GN 2.2.5.1313-03. Executive No. 76 of 30 April 2003. Maximum allowable concentration (MAC) of harmful substances in the air of working zones, as amended.**

Blue Pigment (CAS Proprietary)

LISTED

**Ministry of Health and Social Development of Russian Federation. Order № 83 of 16.08.2004. List of hazardous and/or dangerous production factors and work under which preliminary and periodic medical examinations are conducted, methods of the examinations.**

Not listed.

**Labeling****Symbol(s)**

Irritant

**Labelling****R-phrases(s)**

R36/37/38 Irritating to eyes, respiratory system and skin.  
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**S-phrases(s)**

S24/25 Avoid contact with skin and eyes.  
S51 Use only in well-ventilated areas.  
S61 Avoid release to the environment. Refer to special instructions/ Safety data sheets.

**Labeling****Contains**

Acrylate Ester, Acrylated Oligoamine Resin, Blue Pigment, Diphenyl (2,4,6-trimethylbenzoyl) phosphine, Ethoxylated Trimethylolpropane Triacrylate, Fragrance, Neopentylglycol propoxylate diacrylate, N-vinylcaprolactam, Photo Initiator, Propiophenone derivative

**Other information**

VOC content (less water, less exempt compounds) = < 95 g/L (U.S. requirement, not for emissions) Switzerland VOC incentive tax - Contains >3% total VOCs but does not contain VOCs which are subject for taxation.

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### 16. Other information

**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.

**Revision date**

06-Dec-2013

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**Manufacturer information**

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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</b>	Toxicity Characteristics Leaching Procedure
<b>TLV</b>	Threshold Limit Value
<b>TSCA</b>	Toxic Substances Control Act
<b>VOC</b>	Volatile Organic Compounds