



# MATERIAL SAFETY DATA SHEET

## 1. Chemical product and company identification

<b>Product name</b>	CN766 Series
<b>Recommended use of the chemical and restrictions on use</b>	
<b>Intended use</b>	Inkjet printing
<b>Company identification</b>	Hewlett-Packard Japan, Ltd. 2-2-1 Ojima, Koto-ku, Tokyo, 136-8711 Japan Telephone (+81) 3 5628-1101
	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 Poison Information Centre 0120-50-3024

## 2. Hazards identification

<b>Classification</b>	Xi;R38-41, R43, R52/53
<b>Physical hazards</b>	Not classified as a physical hazard.
<b>Health hazards</b>	Irritating to skin. Risk of serious damage to eyes. May cause sensitization by skin contact.
<b>Environmental hazards</b>	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
<b>Other hazards</b>	Contains Nickel May cause cancer.

## 3. Composition/information on ingredients

**Substance or mixture** Mixture

Components	CAS #	Percent
Dipropylene Glycol Diacrylate	57472-68-1	50<100
1,6-Hexanediol Diacrylate	13048-33-4	<10
Acrylic Oligomer		<10
Propiophenone derivative, 2-methyl-1-(4methylthiphenyl)-2-morpholino propan-1-one	71868-10-5	<7.5
9H-THIOXANTHEN-9-ONE, 2-(1-METHYLETHYL)-	5495-84-1	<2.5
Hexylene Glycol	107-41-5	<2.5

**Synonym(s)** HP Scitex UV100 Supreme Yellow Ink

## 4. First aid measures

<b>If inhaled</b>	Move to fresh air. If symptoms persist, get medical attention.
<b>If on skin</b>	Wash affected areas thoroughly with mild soap and water. If irritation persists get medical attention.
<b>If in eyes</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>If swallowed</b>	If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting.
<b>Most important symptoms and effects</b>	No data available

## 5. Fire-fighting measures

<b>Flash point</b>	Not available.
<b>Extinguishing media</b>	Dry chemical, CO <sub>2</sub> , water spray or alcohol resistant foam.

<b>Extinguishing media to avoid</b>	Do not use water jet.
<b>Special fire fighting procedures</b>	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.
<b>Protection of fire-fighters</b>	Avoid runoff into storm sewers and ditches which lead to waterways.

## 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency measures</b>	Wear appropriate personal protective equipment. Remove all sources of ignition. Avoid inhalation of vapors or mists.
<b>Environmental precautions</b>	Do not let product enter drains. Do not flush into surface water or sanitary sewer system.
<b>Clean-up methods and materials and containment measures</b>	Not available.

## 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 products</b>	No data.
<b>Safe packaging materials</b>	Not available.

## 8. Exposure controls/personal protection

### Occupational exposure limits

#### US. ACGIH Threshold Limit Values

Components	Type	Value
Hexylene Glycol (CAS 107-41-5)	Ceiling	25 ppm

### Recommended monitoring procedures

<b>Additional exposure data</b>	Not available.
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### Personal protective equipment

<b>Respiratory protection</b>	In case of insufficient ventilation wear suitable respiratory equipment.
<b>Hand protection</b>	Protective gloves complying with EN 374.
<b>Eye protection</b>	Wear safety glasses; chemical goggles (if splashing is possible).
<b>Skin and body protection</b>	Wear suitable protective clothing. Separate rooms are required for washing, showering and changing clothes. Use protective skin cream before handling the product.

## 9. Physical and chemical properties

### Appearance

<b>Physical state</b>	Liquid.
<b>Form</b>	Liquid.
<b>Color</b>	Yellow.

<b>Odor</b>	Characteristic.
<b>Odor threshold</b>	No information available.
<b>pH</b>	Not available.
<b>Melting point/Freezing point</b>	Not available.
<b>Boiling point, initial boiling point, and boiling range</b>	Not available.

<b>Flash point</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Flammability limit - lower (%)</b>	Not available.
<b>Flammability limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	0.05 mm Hg
<b>Specific gravity</b>	1
<b>Solubility</b>	Not available.
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Other data</b>	
<b>VOC (Weight %)</b>	< 95 g/L

## 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>	None.
<b>Incompatible materials</b>	Incompatible with strong bases and oxidizing agents. alkaline metals reducing agents Reacts violently with peroxides.
<b>Hazardous decomposition products</b>	Upon decomposition, this product may yield gaseous nitrogen oxides, carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

## 11. Toxicological information

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

### Information on likely routes of exposure

**Ingestion** Not available.

**Inhalation** Not available.

**Skin contact** Not available.

**Eye contact** Not available.

**Symptoms** Not available.

### Acute toxicity

Components	Species	Test Results
1,6-Hexanediol Diacrylate (CAS 13048-33-4)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	3600 mg/kg
<i>Oral</i>		
LD50	Rat	5 g/kg
Hexylene Glycol (CAS 107-41-5)		
<b>Acute</b>		
<i>Oral</i>		
LD50	Mouse	3.5 g/kg
	Rat	4.79 g/kg

**Carcinogenicity** No data available.

**Specific target organ toxicity - single exposure** No data available.

**Specific target organ toxicity - repeated exposure** No data available

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

## 12. Ecological information

**Ecotoxicological data**

<b>Components</b>	<b>Species</b>		<b>Test Results</b>
Hexylene Glycol (CAS 107-41-5)			
<b>Aquatic</b>			
Crustacea	EC50	Water flea (Ceriodaphnia reticulata)	2400 - 3200 mg/l, 48 hours
Fish	LC50	Bleak (Alburnus alburnus)	7000 - 9100 mg/l, 96 hours
<b>Ecotoxicity</b>	No data available.		
<b>Aquatic toxicity</b>	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.		
<b>Mobility in soil</b>	No data available.		

## 13. Disposal considerations

<b>Contaminated packaging</b>	No special precautions.
<b>Local disposal regulations</b>	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

**International regulations****IATA****Basic shipping requirements:**

<b>UN number</b>	UN3082
<b>Proper shipping name</b>	Environmentally Hazardous Substance, Liquid, N.O.S. (2-methyl-1-methylthiophenyl-2-morpholin propanone)
<b>Hazard class</b>	9
<b>Packing group</b>	III
<b>Environmental hazards</b>	
<b>Marine pollutant</b>	Not regulated.

**IMDG****Basic shipping requirements:**

<b>UN number</b>	UN3082
<b>Proper shipping name</b>	Environmentally Hazardous Substance, Liquid, N.O.S. (2-methyl-1-methylthiophenyl-2-morpholin propanone)
<b>Hazard class</b>	9
<b>Packing group</b>	III
<b>Environmental hazards</b>	
<b>Marine pollutant (P / Not regulated)</b>	Not regulated.

**IATA; IMDG****ADR**

Not regulated as dangerous goods.

## 15. Regulatory information

### Industrial Safety and Health Act

#### Specified substances regulation

##### Class 1 designated chemical substances

Not regulated.

##### Class 2 designated chemical substances

Not regulated.

##### Class 3 designated chemical substances

Not regulated.

#### Organic solvent regulation

##### Class 1 organic solvents

Not regulated.

##### Class 2 organic solvents

Not regulated.

##### Class 3 organic solvents

Not regulated.

#### Notifiable substances

2-METHYL-2,4-PENTANEDIOL

0 - 2.5 %

#### Labeling substances

Not regulated.

### Poisonous and Deleterious Substances Control Act

#### Specified poisonous substances

Not regulated.

#### Poisonous substances

Not regulated.

#### Deleterious substances

Not regulated.

### Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc.

#### Class I specified chemical substances

Not regulated.

#### Class II specified chemical substances

Not regulated.

#### Monitoring chemical substances

Not regulated.

#### Priority Assessment Chemical Substances (PACs)

Not regulated.

#### Reporting Exempted Substances

Not regulated.

### Law concerning Pollutant Release and Transfer Register

#### Specified class 1 substances (substance name, ordinance number and content)

Not regulated.

#### Class 1 substances (substance name, ordinance number and content)

1,6-HEXANEDIOL DIACRYLATE                      Ordinance No. 306    6.0 %                      (Diacylate Compound 1)

#### Class 2 substances (substance name, ordinance number and content)

Not regulated.

### Fire Service Act

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

### Ship Safety Law, Dangerous Goods Marine Transport and Storage Rule

Miscellaneous dangerous substances

### Air Law, Enforcement Rule

Miscellaneous dangerous goods

### Explosives Control Act

Not regulated.

### High Pressure Gas Safety Act

Not regulated.

### Act on Prevention of Marine Pollution and Maritime Disaster

HEXYLENE GLYCOL

Category: Z

### Waste Management and Public Cleansing Act

Not regulated.

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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.

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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