



# SAFETY DATA SHEET

## 1. Identification

<b>Product identifier</b>	CN883 Series
<b>Other means of identification</b>	
<b>Synonyms</b>	HP PT70 Specialty Polycarbonate Scitex Solution
<b>Recommended use</b>	Inkjet printing
<b>Recommended restrictions</b>	None known.
<b>Company identification</b>	Hewlett-Packard Vietnam Ltd. Suite 1002, 29 Le Duan, Saigon Tower, 10th floor District 1, Ho Chi Minh city, Ho Chi Minh (Sài Gòn), Viet Nam Telephone +84437245550  HP Inc. health effect line (Toll-free within US) 1-800-457-4209 (Direct) 1-760-710-0048 HP Inc. Customer Care Line (Toll-free within the US) 1-800-474-6836 (Direct) 1-208-323-2551 Email: hpcustomer.inquiries@hp.com

## 2. Hazard(s) identification

<b>Physical hazards</b>	Flammable liquids	Category 3
<b>Health hazards</b>	Acute toxicity (Oral)	Category 4
	Acute toxicity (Dermal)	Category 3
	Serious eye damage/eye irritation	Category 2A
<b>Environmental hazards</b>	Not classified.	
<b>Label elements</b>		
<b>Hazard symbol</b>	None.	
<b>Signal word</b>	None.	
<b>Hazard statement</b>	Not available.	
<b>Precautionary statement</b>		
<b>Prevention</b>	Not available.	
<b>Response</b>	Not available.	
<b>Storage</b>	Not available.	
<b>Disposal</b>	Not available.	
<b>Other hazards which do not result in classification</b>	None known.	
<b>Supplemental information</b>	None.	

## 3. Composition/information on ingredients

### Mixtures

<b>Chemical name</b>	<b>Common name and synonyms</b>	<b>CAS number</b>	<b>%</b>
Cyclohexanone		108-94-1	100

## 4. First-aid measures

<b>Inhalation</b>	Move person to fresh air immediately. If not breathing, give artificial respiration or give oxygen by trained personnel. For breathing difficulties, oxygen may be necessary. Call a physician or Poison Control Centre immediately.
<b>Skin contact</b>	Remove and isolate contaminated clothing and shoes. Wash the skin immediately with soap and water.
<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.

**Ingestion** If swallowed, seek medical advice immediately and show this container or label. Never give anything by mouth to an unconscious person.

**Most important symptoms/effects, acute and delayed** Not available.

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## 5. Fire-fighting measures

**Suitable extinguishing media** Dry chemical, foam, carbon dioxide, water fog.

**Unsuitable extinguishing media** Do not use water jet.

**Specific hazards arising from the chemical** Fire will produce dense black smoke containing hazardous combustion products (see heading 10).

**Special protective equipment and precautions for firefighters** Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask. Avoid runoff into storm sewers and ditches which lead to waterways.

**Fire-fighting equipment/instructions** Move containers from fire area if you can do it without risk.

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## 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures** 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. Ensure adequate ventilation.

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

**Environmental precautions** Do not flush into surface water or sanitary sewer system.

**Other information** Dispose of in compliance with federal, state, and local regulations.

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## 7. Handling and storage

**Precautions for safe handling** Vapors are heavier than air and may spread along floors. Vapors may form explosive mixtures with air. Prevent the creation of flammable or explosive concentrations of vapor in air and avoid vapor concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Electrical equipment should be protected to the appropriate standard. Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists of this product. Use with adequate ventilation. Wear personal protective equipment.

**Conditions for safe storage, including any incompatibilities** Keep containers tightly closed in a dry, cool and well-ventilated place. Store away from strong oxidizers. Do not store near acids. Store in upright position only.

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## 8. Exposure controls/personal protection

### Occupational exposure limits

#### US. ACGIH Threshold Limit Values Components

	Type	Value
Cyclohexanone (CAS 108-94-1)	STEL	50 ppm
	TWA	20 ppm

### Biological limit values

#### ACGIH Biological Exposure Indices Components

Value	Determinant	Specimen	Sampling Time
80 mg/l	1,2-Cyclohexanediol, with hydrolysis	Urine	*
8 mg/l	Cyclohexanol, with hydrolysis	Urine	*

\* - For sampling details, please see the source document.

### Exposure guidelines

#### US. ACGIH Threshold Limit Values

Cyclohexanone (CAS 108-94-1) Can be absorbed through the skin.

#### US. NIOSH: Pocket Guide to Chemical Hazards

Cyclohexanone (CAS 108-94-1) Can be absorbed through the skin.

<b>Appropriate engineering controls</b>	Provide adequate ventilation. Use local exhaust ventilation. If these are not sufficient to maintain concentrations of particulates and solvent vapor below the OEL, suitable respiratory protection must be worn.
<b>Individual protection measures, such as personal protective equipment</b>	
<b>Eye/face protection</b>	Wear safety glasses; chemical goggles (if splashing is possible). Eye wash fountain and emergency showers are recommended.
<b>Skin protection</b>	
<b>Hand protection</b>	Wear appropriate chemical resistant gloves.
<b>Other</b>	Wear appropriate chemical resistant clothing.
<b>Respiratory protection</b>	Use the indicated respiratory protection if the occupational exposure limit is exceeded and/or in case of product release (dust).
<b>Thermal hazards</b>	Not available.

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## 9. Physical and chemical properties

### Appearance

<b>Physical state</b>	Liquid.
<b>Form</b>	Liquid.
<b>Color</b>	Clear.
<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>	314.6 °F (157 °C)
<b>Flash point</b>	109.4 °F (43.0 °C) Closed Cup
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</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>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	4 torr
<b>Vapor density</b>	Not available.
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Not available.
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Other information</b>	
<b>VOC (Weight %)</b>	1000 g/L

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## 10. Stability and reactivity

<b>Reactivity</b>	Not available.
<b>Chemical stability</b>	Stable at normal conditions.
<b>Possibility of hazardous reactions</b>	Not available.
<b>Conditions to avoid</b>	Not available.
<b>Incompatible materials</b>	Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.
<b>Hazardous decomposition products</b>	Carbon monoxide and carbon dioxide. Nitrogen oxides (NOx). smoke

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## 11. Toxicological information

**Symptoms related to the physical, chemical and toxicological characteristics** Not available.

### Information on toxicological effects

**Acute toxicity** Not available.

**Skin corrosion/irritation** Not available.

**Serious eye damage/eye irritation** Not available.

### Respiratory or skin sensitization

**Respiratory sensitization** Not available.

**Skin sensitization** Not available.

**Germ cell mutagenicity** Not available.

### Carcinogenicity

#### ACGIH Carcinogens

Cyclohexanone (CAS 108-94-1) A3 Confirmed animal carcinogen with unknown relevance to humans.

#### IARC Monographs. Overall Evaluation of Carcinogenicity

Cyclohexanone (CAS 108-94-1) 3 Not classifiable as to carcinogenicity to humans.

**Reproductive toxicity** Not available.

**Specific target organ toxicity - single exposure** Not available.

**Specific target organ toxicity - repeated exposure** Not available.

**Aspiration hazard** Not available.

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## 12. Ecological information

### Ecotoxicity

Components	Species	Test Results
Cyclohexanone (CAS 108-94-1)		
<b>Aquatic</b>		
Fish	LC50	Fathead minnow ( <i>Pimephales promelas</i> ) 481 - 578 mg/l, 96 hours

**Persistence and degradability** Not available.

**Bioaccumulative potential** Not available.

#### Partition coefficient n-octanol / water (log Kow)

Cyclohexanone 0.81

**Mobility in soil** Not available.

**Other adverse effects** Not available.

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## 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

**UN number** UN1915  
**UN proper shipping name** Cyclohexanone  
**Transport hazard class(es)**  
**Class** 3  
**Subsidiary risk** -  
**Packaging group** III  
**Special precautions for user** Not available.

### IATA

**UN number** UN1915  
**UN proper shipping name** Cyclohexanone

**Transport hazard class(es)**

**Class** 3  
**Subsidiary risk** -  
**Packing group** III  
**Environmental hazards** No.  
**Special precautions for user** Not available.

**IMDG**

**UN number** UN1915  
**UN proper shipping name** Cyclohexanone  
**Transport hazard class(es)**  
**Class** 3  
**Subsidiary risk** -  
**Packing group** III  
**Environmental hazards**  
**Marine pollutant** No.  
**EmS** Not available.  
**Special precautions for user** Not available.

**ADR**

**Proper shipping name** Cyclohexanone  
**Hazard class** 3  
**UN number** 1915  
**Packing group** III

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

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**15. Regulatory information****National regulations****Ozone Depleting Substances (ODS) Joint circular No. 14/2005/TTLT-BTM-BTNMT**

Not regulated.

<b>Other information</b>	Specific Provisions: Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC (in the amended version OJ L 396 from 29.05.2007 page 3 with further rectifications and amendments).
<b>Regulatory information</b>	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/NDL), Australia, Japan, Philippines, South Korea, New Zealand, and China.

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## 16. Other information, including date of preparation or last revision

<b>Issue date</b>	15-Aug-2016
<b>Version #</b>	01
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<b>Revision Information</b>	Product and Company Identification: Synonyms Composition / Information on Ingredients: Disclosure Overrides Physical & Chemical Properties: Multiple Properties 14. Transport Information: Material Transportation Information 15. Regulatory Information: United States HazReg Data: Europe - EU
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