



# SAFETY DATA SHEET

## 1. Product and Company Identification

**Product identifier** CN883 Series  
**Issue date** 15-Jul-2013  
**Revision date** 14-Aug-2016  
**Version #** 03  
**Product use** Inkjet printing  
**Synonym(s)** HP PT70 Specialty Polycarbonate Scitex Solution  
**Company identification** HP Canada Co.  
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## 2. Hazards Identification

**Physical hazards** Flammable liquids Category 3  
**Health hazards** Acute toxicity, oral Category 4  
Acute toxicity, dermal Category 3  
Acute toxicity, inhalation Category 3  
Skin corrosion/irritation Category 2  
Serious eye damage/eye irritation Category 2A  
Sensitization, skin Category 1  
Germ cell mutagenicity Category 2  
Reproductive toxicity Category 2  
Specific target organ toxicity, single exposure Category 1  
Specific target organ toxicity, single exposure Category 3 narcotic effects  
Specific target organ toxicity, repeated exposure Category 1  
**Environmental hazards** Not classified.  
**OSHA defined hazards** Not classified.  
**Label elements**  
**Hazard symbol** None.  
**Signal word** None.  
**Hazard statement** Not available.  
**Precautionary statement**  
**Prevention** Not available.  
**Response** Not available.  
**Storage** Not available.  
**Disposal** Not available.

## 3. Composition / Information on Ingredients

Components	CAS #	Percent
Cyclohexanone	108-94-1	100

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## 4. First Aid Measures

### First aid procedures

<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.
<b>Skin contact</b>	Remove and isolate contaminated clothing and shoes. Wash the skin immediately with soap and water.
<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>Ingestion</b>	If swallowed, seek medical advice immediately and show this container or label. Never give anything by mouth to an unconscious person.

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## 5. Fire Fighting Measures

<b>Flash point</b>	109.4 °F (43.0 °C) Closed Cup
<b>Flammable properties</b>	Not available.
<b>Extinguishing media</b>	
<b>Suitable extinguishing media</b>	Dry chemical, foam, carbon dioxide, water fog.
<b>Unsuitable extinguishing media</b>	Do not use water jet.
<b>Protection of firefighters</b>	
<b>Specific hazards arising from the chemical</b>	Fire will produce dense black smoke containing hazardous combustion products (see heading 10).
<b>Protective equipment for firefighters</b>	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.
<b>Fire fighting equipment/instructions</b>	Move containers from fire area if you can do it without risk.
<b>Explosion data</b>	
<b>Sensitivity to static discharge</b>	Not available.
<b>Sensitivity to mechanical impact</b>	Not available.
<b>Hazardous combustion products</b>	Not available.

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## 6. Accidental Release Measures

<b>Personal precautions</b>	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.
<b>Environmental precautions</b>	Do not flush into surface water or sanitary sewer system.
<b>Methods for cleaning up</b>	Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.
<b>Other information</b>	Dispose of in compliance with federal, state, and local regulations.

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## 7. Handling and Storage

<b>Handling</b>	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.
<b>Storage</b>	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.

## 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

#### Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)

Components	Type	Value
Cyclohexanone (CAS 108-94-1)	STEL	200 mg/m <sup>3</sup>
	TWA	50 ppm
		80 mg/m <sup>3</sup>
		20 ppm

#### Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

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

#### Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act)

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

#### Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)

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

#### Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment)

Components	Type	Value
Cyclohexanone (CAS 108-94-1)	TWA	100 mg/m <sup>3</sup>
		25 ppm

#### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
Cyclohexanone (CAS 108-94-1)	PEL	200 mg/m <sup>3</sup>
		50 ppm

### Biological limit values

#### ACGIH Biological Exposure Indices

Components	Value	Determinant	Specimen	Sampling Time
Cyclohexanone (CAS 108-94-1)	80 mg/l	1,2-Cyclohexanediol, with hydrolysis	Urine	*
	8 mg/l		Urine	*

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

### Exposure guidelines

#### Canada - Alberta OELs: Skin designation

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

#### Canada - British Columbia OELs: Skin designation

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

#### Canada - Manitoba OELs: Skin designation

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

#### Canada - Ontario OELs: Skin designation

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

**Canada - Quebec OELs: Skin designation**

Cyclohexanone (CAS 108-94-1)

Can be absorbed through the skin.

**Canada - Saskatchewan OELs: Skin designation**

Cyclohexanone (CAS 108-94-1)

Can be absorbed through the skin.

**US. ACGIH Threshold Limit Values**

Cyclohexanone (CAS 108-94-1)

Can be absorbed through the skin.

**Engineering controls** 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.

**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 clothing.

**Respiratory protection** Use the indicated respiratory protection if the occupational exposure limit is exceeded and/or in case of product release (dust).

**Hand protection** Wear appropriate chemical resistant gloves.

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**9. Physical & Chemical Properties****Appearance**

**Physical state** Liquid.

**Color** Clear.

**Odor** Characteristic.

**Odor threshold** Not available.

**pH** Not available.

**Vapor pressure** 4 torr

**Boiling point** 314.6 °F (157 °C)

**Melting point/Freezing point** Not available.

**Solubility (water)** Not available.

**Specific gravity** Not available.

**Flash point** 109.4 °F (43.0 °C) Closed Cup

**Flammability limits in air, upper, % by volume** Not available.

**Flammability limits in air, lower, % by volume** Not available.

**Auto-ignition temperature** Not available.

**VOC** 1000 g/L

**Evaporation rate** Not available.

**Partition coefficient (n-octanol/water)** Not available.

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**10. Chemical Stability & Reactivity Information**

**Chemical stability** Stable at normal conditions.

**Conditions to avoid** Not available.

**Incompatible materials** Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

**Hazardous decomposition products** Carbon monoxide and carbon dioxide. Nitrogen oxides (NO<sub>x</sub>). smoke

**Possibility of hazardous reactions** Not available.

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**11. Toxicological Information**

**Acute effects** Not available.

**Skin irritation and corrosion** Not available.

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

**Respiratory or skin sensitization**

**Skin sensitization** Not available.

**Respiratory sensitization** 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.

<b>Germ cell mutagenicity</b>	Not available.
<b>Reproductive toxicity</b>	Not available.
<b>Specific target organ toxicity - single exposure</b>	Not available.
<b>Specific target organ toxicity - repeated exposure</b>	Not available.
<b>Aspiration hazard</b>	Not available.
<b>Toxicological data</b>	No data available.

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## 12. Ecological Information

**Environmental effects** No data available for this product.

**Persistence and degradability** Not available.

### Partition coefficient

Cyclohexanone 0.81

### Ecotoxicological data

#### Components

Cyclohexanone (CAS 108-94-1)

#### Aquatic

Species	Test Results
Fish LC50	Fathead minnow (Pimephales promelas) 481 - 578 mg/l, 96 hours

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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

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

### IATA

<b>UN number</b>	UN1915
<b>UN proper shipping name</b>	Cyclohexanone
<b>Transport hazard class(es)</b>	
<b>Class</b>	3
<b>Subsidiary risk</b>	-
<b>Packing group</b>	III
<b>Environmental hazards</b>	No.
<b>Special precautions for user</b>	Not available.

### IMDG

<b>UN number</b>	UN1915
<b>UN proper shipping name</b>	Cyclohexanone
<b>Transport hazard class(es)</b>	
<b>Class</b>	3
<b>Subsidiary risk</b>	-
<b>Packing group</b>	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****Other 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.

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**16. Other Information****HMIS® ratings**

Health: 2  
Flammability: 2  
Physical hazard: 1

**NFPA ratings**

Health: 2  
Flammability: 2  
Instability: 1

**Disclaimer**

This Safety Data Sheet document is provided without charge to customers of HP. Data is the most current known to HP 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.

**Prepared by**

HP Chemical Compliance &amp; Toxicology Department

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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