



# SAFETY DATA SHEET

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**Identification of the substance/preparation** CN883 Series

**Use of the substance/preparation** Inkjet printing

**Issue date** 14-Aug-2016

**Version #** 01

**Synonym(s)** HP PT70 Specialty Polycarbonate Scitex Solution

**Company identification** HP Colombia SAS  
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## 2. HAZARDS IDENTIFICATION

### Classification of the substance or mixture

<b>Physical hazards</b>	Flammable liquids	Category 3
<b>Health hazards</b>	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	
<b>Environmental hazards</b>	Not classified.	

### GHS label elements

**Signal word** None.

**Hazard symbols** None.

**Hazard statement** None.

### Precautionary statement

**Prevention** None.

**Response** None.

**Storage** None.

**Disposal** None.

**Specific hazards** Flammable.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS #	Percent
Cyclohexanone	108-94-1	100

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## 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.
<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>Suitable extinguishing media</b>	Dry chemical, foam, carbon dioxide, water fog.
<b>Extinguishing media which must not be used for safety reasons</b>	Do not use water jet.
<b>Specific hazards</b>	Fire will produce dense black smoke containing hazardous combustion products (see heading 10).
<b>Special protective equipment for fire-fighters</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.

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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.

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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.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Occupational exposure limits

#### Colombia. OELs. Resolution No. 02400: Norms Concerning Working Conditions, Health and Safety in the Workplace

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

#### 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.

## Recommended monitoring procedures

**Additional exposure data** Not available.

**Engineering measures to reduce exposure** 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

**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.

**Eye protection** Wear safety glasses; chemical goggles (if splashing is possible).  
Eye wash fountain and emergency showers are recommended.

**Skin and body protection** Wear appropriate chemical resistant clothing.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

**Physical state** Liquid.

**Color** Clear.

**Odor** Characteristic.

**pH** Not available.

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

**Boiling point, initial boiling point, and boiling range** 314.6 °F (157 °C)

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

**Auto-ignition temperature** Not available.

**Flammability limit - lower (%)** Not available.

**Flammability limit - upper (%)** Not available.

**Vapor pressure** 4 torr

**Specific gravity** Not available.

### Solubility(ies)

**Solubility (water)** Not available.

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

**Decomposition temperature** Not available.

### Other data

**VOC (Weight %)** 1000 g/L

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## 10. STABILITY AND REACTIVITY

**Conditions to avoid** Not available.

**Hazardous decomposition products** Carbon monoxide and carbon dioxide. Nitrogen oxides (NOx). smoke

**Stability** Stable at normal conditions.

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

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## 11. TOXICOLOGICAL INFORMATION

**Skin corrosion/irritation** Not available.

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

## Sensitization

### US. ACGIH Threshold Limit Values

Cyclohexanone (CAS 108-94-1)

Can be absorbed through the skin.

## Respiratory or skin sensitization

**Skin sensitization** Not available.

**Respiratory sensitization** Not available.

## Carcinogenicity

### Colombia. OELs. Resolution No. 02400: Norms Concerning Working Conditions, Health and Safety in the Workplace

Cyclohexanone (CAS 108-94-1)

A3 Animal carcinogen.

### IARC Monographs. Overall Evaluation of Carcinogenicity

Cyclohexanone (CAS 108-94-1)

3 Not classifiable as to carcinogenicity to humans.

**Germ cell mutagenicity** Not available.

**Toxic to reproduction** Not available.

**Aspiration hazard** Not available.

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## 12. ECOLOGICAL INFORMATION

### Ecotoxicological data

Components	Species	Test Results
Cyclohexanone (CAS 108-94-1)		
<b>Aquatic</b>		
Fish	LC50	Fathead minnow (Pimephales promelas) 481 - 578 mg/l, 96 hours
<b>Environmental effects</b>		No data available for this product.
<b>Persistence / degradability</b>		Not available.
<b>Bioaccumulation</b>		
<b>Bioaccumulative potential</b>		
<b>Octanol/water partition coefficient log Kow</b>		
Cyclohexanone		0.81
<b>Mobility</b>		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

<b>Transport hazard class(es)</b>	
Class	3
Subsidiary risk	-
<b>Packing group</b>	III
<b>Environmental hazards</b>	
Marine pollutant	No.
<b>EmS</b>	Not available.
<b>Special precautions for user</b>	Not available.

#### ADR

##### Basic shipping requirements:

<b>Proper shipping name</b>	Cyclohexanone
<b>Hazard class</b>	3
<b>UN number</b>	1915
<b>Packing group</b>	III

#### DOT



#### IATA; IMDG



#### ADR

## 15. REGULATORY INFORMATION

### Federal regulations

### International 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.

### Kyoto protocol

Not applicable.

### Montreal Protocol

Not applicable.

### Rotterdam Convention

Not applicable.

### Stockholm Convention

Not applicable.

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## 16. OTHER INFORMATION

<b>Disclaimer</b>	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.
<b>Prepared by</b>	HP Chemical Compliance & Toxicology Department
<b>Issue date</b>	14-Aug-2016
<b>Version #</b>	01
<b>This data sheet contains changes from the previous version in section(s):</b>	Product and Company Identification: Synonyms Composition / Information on Ingredients: Disclosure Overrides Physical & Chemical Properties: Multiple Properties 14. Transport Information: Material Transportation Information Regulatory Information: United States HazReg Data: Europe - EU
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<b>Explanation of abbreviations</b>	

<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