



# SAFETY DATA SHEET

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

**Trade name or designation of the mixture** CN883 Series  
**Registration number** -  
**Synonyms** HP PT70 Specialty Polycarbonate Scitex Solution  
**Issue date** 15-Jul-2013  
**Version number** 03  
**Revision date** 15-Aug-2016  
**Supersedes date** 19-Nov-2013

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Identified uses** Inkjet printing

**Uses advised against** None known.

**Company identification** HP PPS Sverige AB  
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Emergency number +46-8-331231

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008 as amended

#### Physical hazards

Flammable liquids Category 3

#### Health hazards

Acute toxicity, inhalation Category 4

### 2.2. Label elements

#### Label according to Regulation (EC) No. 1272/2008 as amended

**Contains:** Cyclohexanone  
**Hazard pictograms** None.  
**Signal word** None.  
**Hazard statements** The mixture does not meet the criteria for classification.

#### Precautionary statements

**Prevention** Not available.  
**Response** Not available.  
**Storage** Not available.  
**Disposal** Not available.

**Supplemental label information** None.

**2.3. Other hazards** None known.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

**General information**

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
Cyclohexanone	100	108-94-1 203-631-1	01-2119453616-35-XXXX	606-010-00-7	#
<b>Classification:</b>	Flam. Liq. 3;H226, Acute Tox. 4;H302, Acute Tox. 4;H312, Skin Irrit. 2;H315, Eye Dam. 1;H318, Acute Tox. 4;H332				

**SECTION 4: First aid measures**

**General information** Not available.

**4.1. Description of 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.

**4.2. Most important symptoms and effects, both acute and delayed**

Not available.

**4.3. Indication of any immediate medical attention and special treatment needed**

Not available.

**SECTION 5: Firefighting measures**

**General fire hazards** Not available.

**5.1. Extinguishing media**

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

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

**5.2. Special hazards arising from the substance or mixture**

Fire will produce dense black smoke containing hazardous combustion products (see heading 10).

**5.3. Advice for firefighters**

**Special protective equipment 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.

**Special fire fighting procedures** Move containers from fire area if you can do it without risk.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

**For non-emergency personnel** 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.

**For emergency responders** Not available.

**6.2. Environmental precautions**

Do not flush into surface water or sanitary sewer system.

**6.3. Methods and material for containment and cleaning up**

Not available.

**6.4. Reference to other sections**

Not available.

## SECTION 7: Handling and storage

### 7.1. 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.

### 7.2. 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.

### 7.3. Specific end use(s)

Not available.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limits

##### Sweden. Occupational Exposure Limit Values

Components	Type	Value
Cyclohexanone (CAS 108-94-1)	STEL	81 mg/m <sup>3</sup>
	TWA	20 ppm
		41 mg/m <sup>3</sup>
		10 ppm

##### EU. Indicative Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU

Components	Type	Value
Cyclohexanone (CAS 108-94-1)	STEL	81.6 mg/m <sup>3</sup>
	TWA	20 ppm
		40.8 mg/m <sup>3</sup>
		10 ppm

#### Biological limit values

No biological exposure limits noted for the ingredient(s).

#### Recommended monitoring procedures

Not available.

#### Derived no-effect level (DNEL)

Components	Type	Route	Value	Form
Cyclohexanone (CAS 108-94-1)	Workers	Dermal	100 mg/kg bw/d	Systemic acute short term
		Dermal	10 mg/kg bw/d	Systemic long term
		Inhalation	80 mg/m <sup>3</sup>	Local long term
		Inhalation	100 mg/m <sup>3</sup>	Local acute short term
		Inhalation	100 mg/m <sup>3</sup>	Systemic acute short term
		Inhalation	100 mg/m <sup>3</sup>	Systemic long term

#### Predicted no effect concentrations (PNECs)

Components	Type	Route	Value	Form
Cyclohexanone (CAS 108-94-1)	Not applicable	Freshwater	0.0329 mg/l	
		Intermittant	0.329 mg/l	Releases
		Marine water	0.00329 mg/l	
		Sediment	0.0951 mg/kg	Freshwater
		Sediment	0.0168 mg/kg	Marine water
		Soil	0.0143 mg/kg	
		STP	10 mg/l	Sewage Treatment Plant

#### Exposure guidelines

##### Sweden Threshold Limit Values: Skin designation

Cyclohexanone (CAS 108-94-1)

Can be absorbed through the skin.

### 8.2. Exposure controls

#### Appropriate 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.

## Individual protection measures, such as personal protective equipment

<b>General information</b>	Not available.
<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.
<b>Hygiene measures</b>	Not available.
<b>Environmental exposure controls</b>	Not available.

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## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### Appearance

<b>Physical state</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>Vapor pressure</b>	4 torr
<b>Vapor density</b>	Not available.
<b>Relative density</b>	Not available.
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Not available.
<b>Solubility (other)</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>Explosive properties</b>	Not available.
<b>Oxidizing properties</b>	Not available.

### 9.2. Other information

<b>VOC (Weight %)</b>	1000 g/L
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## SECTION 10: Stability and reactivity

<b>10.1. Reactivity</b>	Not available.
<b>10.2. Chemical stability</b>	Stable at normal conditions.
<b>10.3. Possibility of hazardous reactions</b>	Not available.
<b>10.4. Conditions to avoid</b>	Not available.
<b>10.5. Incompatible materials</b>	Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

**10.6. Hazardous decomposition products**

Carbon monoxide and carbon dioxide. Nitrogen oxides (NOx). smoke

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**SECTION 11: Toxicological information**

**General information** Not available.

**11.1. Information on toxicological effects**

**Acute toxicity** No data available.

**Skin corrosion/irritation** Not available.

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

**Respiratory sensitization** Not available.

**Skin sensitization** Not available.

**Germ cell mutagenicity** Not available.

**Carcinogenicity**

**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.

**Mixture versus substance information** Not available.

**Other information** Not available.

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**SECTION 12: Ecological information**

**12.1. Toxicity**

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

**12.2. Persistence and degradability** Not available.

**12.3. Bioaccumulative potential** Not available.

**Partition coefficient n-octanol/water (log Kow)**  
Cyclohexanone 0.81

**Bioconcentration factor (BCF)** Not available.

**12.4. Mobility in soil** Not available.

**12.5. Results of PBT and vPvB assessment** Not a PBT or vPvB substance or mixture.

**12.6. Other adverse effects** Not available.

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**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

**Residual waste** Not available.

**Contaminated packaging** Not available.

**EU waste code** Not available.

**Disposal methods/information**  
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.

## SECTION 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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## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### EU regulations

**Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I**

Not listed.

**Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex II**

Not listed.

**Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended**

Not listed.

**Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 1 as amended**

Not listed.

**Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 2 as amended**

Not listed.

**Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 3 as amended**

Not listed.

**Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex V as amended**

Not listed.

**Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry**

Not listed.

**Regulation (EC) No. 1907/2006, REACH Article 59(1) Candidate List as currently published by ECHA**

Not listed.

#### Authorizations

**Regulation (EC) No. 143/2011 Annex XIV Substances Subject to Authorization**

Not listed.

#### Restrictions on use

**Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended**

Not listed.

**Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work**

Not regulated.

**Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breastfeeding**

Not regulated.

#### Other EU regulations

**Directive 96/82/EC (Seveso II) on the control of major-accident hazards involving dangerous substances**

Not regulated.

**Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work**

Cyclohexanone (CAS 108-94-1)

**Directive 94/33/EC on the protection of young people at work**

Not regulated.

#### 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.

**Other information**

This Safety Data Sheet complies with the requirements of Regulation (EU) 2015/830.

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).

**National regulations**

Not available.

**15.2. Chemical safety assessment**

See attached SUMI or GEIS document, if applicable.

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**SECTION 16: Other information****References**

Not available.

**Information on evaluation method leading to the classification of mixture**

Not available.

**Issue date**

15-Jul-2013

**Revision information**

SECTION 15: Regulatory information: Other information  
SECTION 16: Other information: Disclaimer

**Training information**

Not available.

**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.

**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

**List of abbreviations**








Not available.



# Generic Exposure Information Sheet (GEIS)

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## Maintenance fluid digital printing: SSMF01 \*English\*

<b>Disclaimer</b>	
<p><i>This GEIS is a generic document for communicating conditions of safe use of a product in response to the REACH obligation. This document relates only to conditions of safe use and is not specific to a product. By adding this GEIS to a specific product SDS, the importer/formulator declares that the product can safely be used following the instructions below. Following occupational health legislation, the employer of workers remains responsible for communicating relevant use information to employees. When developing workplace instructions for employees, GEIS Sheets should always be considered in combination with the SDS and the label of the product. Derived No Effect Levels (DNEL) and Predicted No Effect Concentration (PNEC) values of substances derived from the Chemical Safety Assessment (CSA) will be given in section 8 of the SDS.</i></p> <p><i>The REACH registration number(s), where applicable, completes an extended product SDS.</i></p>	
<b>Operational conditions</b>	
<b>Maximum duration</b>	Up to 8 hours per day
<b>Frequency of exposure</b>	< 240 days per year
<b>Process conditions</b>	<p>Covers use at ambient temperatures.</p> <p>Adequate ventilation should be provide for the areas where printing is performed. ANSI/ASHRAE Standard 62.1-2013 provides guidelines to ensure acceptable air quality in the workspace.</p> <p>Keep emissions below the occupational exposure limits of the ingredients specified in section 8 of the SDS.</p> <p>Avoid direct contact.</p> <p>Regular cleaning of equipment and work area.</p> <p>Supervision in place to check that Risk Management Measures are in place are being correctly used and Operational Conditions follow</p>
<b>Risk management measures</b>	
<b>Conditions and measures related to Personal Protection Equipment, hygiene and health evaluation</b>	<p>Wear safety glasses with side shields (or goggles), if splashing is possible.</p> <p>Wear appropriate chemical resistant gloves: see section 8 of the SDS.</p> <p>Wear appropriate chemical resistant clothing.</p> <p>Eye wash fountain and emergency showers are recommended.</p> <p>Provide adequate ventilation. In case of insufficient ventilation wear suitable respiratory equipment.</p> <p>Avoid breathing mist/vapours.</p> <p>Avoid contact with skin, eyes and clothing.</p> <p>Training of workers in relation to proper use and maintenance of all Personal protection equipment (PPE) must be ensured.</p> <div style="display: flex; justify-content: center; gap: 10px; margin-top: 10px;">      </div>
<b>Good practice advice</b>	
<p>Use personal protective equipment as required.</p> <p>Wash hands before breaks and after work.</p> <p>Keep good industrial hygiene and safety practice.</p> <p>Use only with adequate ventilation.</p> <p>Do no eat, drink or smoke when using this product.</p> <p>Wash contaminated clothing before reuse.</p> <p>Store at room temperature.</p>	 
<b>Environmental measures</b>	
<p>Do not allow this material to drain into sewers/water supplies.</p> <p>Dispose of waste material according to Local, State, Federal and Provincial Environmental Regulations.</p> <p>Ensure collection and disposal with appropriately licenced waste contractor.</p>	
<b>Use descriptors</b>	
IS-Use at industrial sites	
PW-Widespread use by professional workers	
SU7-Printing and reproduction media	
PC35-Washing and cleaning products	
PROC8a-Transfer of substance or mixture (charging and discharging) at non-dedicated facilities	
PROC8b-Transfer of substance or mixture (charging and discharging) at dedicated facilities	
PROC11-Non-industrial spraying	
ERC4-Use of non-reactive processing aid at industrial site (no inclusion into or onto article)	
<b>Additional information on product composition</b>	
<p>In section 2 of the SDS as well as on the label, the classification of the product is provided.</p> <p>Relevant limit values of ingredients on which the exposure assessment is based, are listed in section 8 of the SDS.</p>	