



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

Version # 01

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Synonym(s) HP PT70 Specialty Polycarbonate Scitex Solution

Manufacturer information HP Inc.

Company identification HP Computing and Printing Middle East FZ-LLC,
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2. HAZARDS IDENTIFICATION

2.1 GHS classification of substance or mixture, and national or regional information

Physical hazards Not classified.

Health hazards Not classified.

Environmental 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.

Other hazards which do not result in classification None known.

Supplemental information None.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS #	Percent
Cyclohexanone	108-94-1	100

4. FIRST AID MEASURES

Inhalation 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.

Skin contact Remove and isolate contaminated clothing and shoes. Wash the skin immediately with soap and water.

Eye contact 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.

5. FIRE-FIGHTING MEASURES

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

6. ACCIDENTAL RELEASE MEASURES

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

7. HANDLING AND STORAGE

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.
Storage	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

UAE. OELs. Maximum Allowable Limits for Air Pollutants in Working Areas [Law to Protect the Air from Pollution, Resolution of the Cabinet of Ministers No. 12 of 2006]

Components	Type	Value
Cyclohexanone (CAS 108-94-1)	TWA	100 mg/m3
		25 ppm

UAE. Abu Dhabi. TLVs. Maximum Allowable Limits for Air Pollutants in Working Areas (AD EHSMS RF - Occupational Standards and Guideline Values, Schedule A)

Components	Type	Value
Cyclohexanone (CAS 108-94-1)	TWA	50 mg/m3
		20 ppm

Jordan. Resolution No. 43 (1998) Safety and Protection from Industrial Equipment, Machinery and Workplaces (TLVs List)

Components	Type	Value
Cyclohexanone (CAS 108-94-1)	TWA	100 mg/m3

Jordan. Resolution No. 43 (1998) Safety and Protection from Industrial Equipment, Machinery and Workplaces (TLVs List)

Components	Type	Value
		25 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	Cyclohexanol, with hydrolysis	Urine	*

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

Recommended monitoring procedures

Additional exposure data Not available.

UAE 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 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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical state Liquid.

Form Liquid.

Color Clear.

Odor Characteristic.

Odor threshold Not available.

pH Not available.

Boiling point 314.6 °F (157 °C)

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.

Vapor pressure 4 torr

Solubility (water) Not available.

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

Viscosity Not available.

Evaporation rate Not available.

Melting point/Freezing point Not available.

Auto-ignition temperature Not available.

VOC 1000 g/L

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.

11. TOXICOLOGICAL INFORMATION

General information Not available.

11.1. Information on toxicological effects

Skin corrosion/irritation Not available.

Serious eye damage/eye irritation Not available.

Respiratory sensitization Not available.

Skin sensitization Not available.

Carcinogenicity

IARC Monographs. Overall Evaluation of Carcinogenicity

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

Specific target organ toxicity - single exposure Not available.

Specific target organ toxicity - repeated exposure Not available.

Aspiration hazard Not available.

Other information Not available.

12. ECOLOGICAL INFORMATION

Ecotoxicological data

Components	Species	Test Results
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Cyclohexanone (CAS 108-94-1)

Aquatic

Fish	LC50	Fathead minnow (<i>Pimephales promelas</i>) 481 - 578 mg/l, 96 hours
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Environmental effects No data available for this product.

Bioaccumulation

Bioaccumulative potential

Octanol/water partition coefficient log Kow

Cyclohexanone	0.81
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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.

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

15. REGULATORY INFORMATION

Regulatory information

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

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).

16. OTHER INFORMATION**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 & Toxicology Department

This data sheet contains changes from the previous version in section(s):

1. Product and Company Identification: Synonyms
3. Composition / Information on Ingredients: Disclosure Overrides
9. Physical & Chemical Properties: Multiple Properties
14. Transport Information: Material Transportation Information
15. Regulatory Information: United States
HazReg Data: Europe - EU

Explanation of abbreviations

ACGIH	American Conference of Governmental Industrial Hygienists
CAS	Chemical Abstracts Service
CERCLA	Comprehensive Environmental Response Compensation and Liability Act
CFR	Code of Federal Regulations
COC	Cleveland Open Cup
DOT	Department of Transportation
EPCRA	Emergency Planning and Community Right-to-Know Act (aka SARA)
IARC	International Agency for Research on Cancer
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
RCRA	Resource Conservation and Recovery Act
REC	Recommended
REL	Recommended Exposure Limit
SARA	Superfund Amendments and Reauthorization Act of 1986
STEL	Short-Term Exposure Limit
TCLP	Toxicity Characteristics Leaching Procedure
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
VOC	Volatile Organic Compounds

Manufacturer information

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