



SAFETY DATA SHEET

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

1.1. Product identifier

Trade name or designation of the mixture CN883 Series

Other means of identification

Synonyms HP PT70 Specialty Polycarbonate Scitex Solution

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

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2. HAZARDS IDENTIFICATION

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

Physical hazards Flammable liquids Category 3

Health hazards Acute toxicity, inhalation Category 4

Environmental hazards Not classified.

2.2 GHS label elements

Hazard symbol(s) None.

Signal word None.

Hazard statement(s) Not available.

Precautionary statement

Prevention Not available.

Response Not available.

Storage Not available.

Precautionary statements

Disposal Not available.

2.3. Other hazards None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Components	CAS #	Percent
Cyclohexanone	108-94-1	100

4. FIRST AID MEASURES

4.1. Description of 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.
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.
General information	Not available.

5. FIRE-FIGHTING MEASURES

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.
General fire hazards	Not available.

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.

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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters	
Occupational exposure limits	No exposure limits noted for ingredient(s).
Biological limit values	No biological exposure limits noted for the ingredient(s).

Recommended monitoring procedures Not available.

Recommended monitoring procedures

Additional exposure data 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 ³	Local long term
		Inhalation	100 mg/m ³	Local acute short term
		Inhalation	100 mg/m ³	Systemic acute short term
		Inhalation	100 mg/m ³	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	Releases
		Intermittant	0.329 mg/l	
		Marine water	0.00329 mg/l	Freshwater
		Sediment	0.0951 mg/kg	
		Sediment	0.0168 mg/kg	
		Soil	0.0143 mg/kg	Marine water
		STP	10 mg/l	

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

General information Not available.

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

Skin protection

- Hand protection Wear appropriate chemical resistant gloves.

Individual protection measures, for example personal protective equipment (PPE)

Skin protection

Individual protection measures, such as personal protective equipment

- Other 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).

Thermal hazards Not available.

Hygiene measures Not available.

Environmental exposure controls Not available.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance

Physical state Liquid.

Form Liquid.

Color Clear.

Odor Characteristic.

Odor threshold Not available.

pH Not available.

Melting point/freezing point Not available.

Initial boiling point and boiling range 314.6 °F (157 °C)

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

Evaporation rate Not available.

Flammability (solid, gas) Not available.

Upper/lower flammability or explosive limits

Flammability limit - lower (%) Not available.

Flammability limit - upper (%) Not available.

Explosive limit - upper (%) Not available.

Vapor pressure 4 torr

Vapor density Not available.

Solubility(ies)

Solubility (water) Not available.

Solubility (other) Not available.

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

Auto-ignition temperature Not available.

Viscosity Not available.

Explosive properties Not available.

Oxidizing properties Not available.

9.2. Other information

VOC (Weight %) 1000 g/L

10. STABILITY AND REACTIVITY

10.1 Reactivity Not available.

10.2. Chemical stability Stable at normal conditions.

10.3. Possibility of hazardous reactions Not available.

10.4. Conditions to avoid Not available.

10.5. Incompatible materials 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

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.

Respiratory or skin sensitization

Skin sensitization Not available.

Germ cell mutagenicity Not available.

Carcinogenicity**IARC Monographs: Evidence of carcinogenicity in humans**

Cyclohexanone (CAS 108-94-1) No data.

Reproductive toxicity Not available.

Specific target organ toxicity - single exposure Not available.

Specific target organ toxicity - repeated exposure Not available.

Other information Not available.

12. ECOLOGICAL INFORMATION**12.1. Toxicity**

Components	Species	Test Results
Cyclohexanone (CAS 108-94-1)		
Aquatic		
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.	
12.5. Results of PBT and vPvB assessment	Not a PBT or vPvB substance or mixture.	
12.6. Other adverse effects	Not available.	

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.

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
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Hazard class 3
UN number 1915
Packing group III

DOT



IATA; IMDG



ADR

15. REGULATORY INFORMATION

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

15.2. Chemical safety assessment See attached SUMI or GEIS document, if applicable.

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.

16. OTHER INFORMATION

List of abbreviations Not available.

References Not available.

Information on evaluation method leading to the classification of mixture Not available.

Revision information

- 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

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Training information Not available.

Disclaimer

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