



# SAFETY DATA SHEET

## SECTION 1. Identification of the hazardous chemical substance or mixture and of the supplier or manufacturer

<b>Important information</b>	*** This Safety Data Sheet is only authorised for use by HP for HP Original products. Any unauthorised use of this Safety Data Sheet is strictly prohibited and may result in legal action being taken by HP. ***
<b>Name of the hazardous chemical substance or mixture</b>	CN986 Series
<b>Other means of identification</b>	
<b>Common name(s), synonym(s)</b>	HP Scitex TJ100 Flash Cyan Ink
<b>Recommended use of the hazardous chemical substance or mixture, and restrictions of use</b>	
<b>Recommended use</b>	Inkjet printing.
<b>Recommended restrictions</b>	None known.
<b>Suppliers details</b>	
<b>Company identification</b>	Computing and Printing Mexico S. de R.L. de C.V. Avenida Javier Barros Sierra 495, Piso 11 y 10 Col. Santa Fe, Alc. Álvaro Obregón C.P. 01376, Ciudad de México, México
<b>Telephone</b>	52 (55) 5258-4000
<b>HP Inc. health effects line (Toll-free within the US)</b>	1-800-457-4209
<b>(Direct)</b>	1-760-710-0048
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<b>(Direct)</b>	1-208-323-2551
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## SECTION 2. Hazard identification

### Classification of the substance or mixture

<b>Physical hazards</b>	Flammable liquids	Category 4
<b>Health hazards</b>	Acute toxicity, oral	Category 5
	Acute toxicity, dermal	Category 4
	Acute toxicity, inhalation	Category 4
	Serious eye damage/eye irritation	Category 1
<b>Environmental hazards</b>	Not classified.	

### Elements of labeling, including precautionary statements and warning pictograms



<b>Signal word</b>	Danger
<b>Hazard statement</b>	
H227	Combustible liquid.
H332	Harmful if inhaled.
H318	Causes serious eye damage.
H312	Harmful in contact with skin.
H303	May be harmful if swallowed.

## Precautionary statement

### Prevention

P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P271	Use only outdoors or in a well-ventilated area.

### Response

P370 + P378	In case of fire: Use sand, carbon dioxide (CO2) or dry chemical to extinguish.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.
P310	Immediately call a POISON CENTER/doctor.
P304 + P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P312	Call a poison center/doctor if you feel unwell.
P362 + P364	Take off contaminated clothing and wash it before reuse.

### Storage

P403 + P235	Store in a well-ventilated place. Keep cool.
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### Disposal

P501	Dispose of contents/container in accordance with local/regional/national/international regulations.
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### Other hazards which do not result in classification

Potential routes of exposure to this product are skin and eye contact, ingestion, and inhalation.

### Supplemental information

None.

## SECTION 3. Composition/information on ingredients

### Mixtures

Chemical identity	Common name(s), synonym(s)	CAS number and other unique identifiers	Concentration
2-Butoxyethyl acetate		112-07-2	<70
2-methoxy-1-methylethylacetate		Proprietary	<20
Vinyl chloride-vinyl acetate copolymer		Proprietary	<7.5
Cyclohexanone		108-94-1	<5
Pigment Blue		Proprietary	<5
Butyl Methacrylate		97-88-1	<0.1
Water		7732-18-5	<0.1

## SECTION 4. First-aid measures

### Description of necessary first-aid measures

<b>Inhalation</b>	Move person to fresh air immediately. If symptoms persist, get immediate medical attention.
<b>Skin contact</b>	In case of contact, immediately remove contaminated clothing and flush skin with copious amounts of water. Wash clothing separately before reuse. Get medical attention, if needed.
<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. Get medical attention immediately.
<b>Ingestion</b>	Rinse mouth out with water. If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.

### Most important symptoms/effects, acute and delayed

Not available.

## SECTION 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Suitable extinguishing media: sand, carbon dioxide (CO <sub>2</sub> ), and dry chemical.
<b>Specific hazards arising from the chemical</b>	Not applicable.
<b>Special protective actions for firefighters</b>	Firefighters should wear full protective clothing including self contained breathing apparatus. 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.

## SECTION 6. Measures that must be taken in the event of accidental spillage or an accidental leak

### Personal precautionary measures, protective equipment and emergency procedure

<b>For non-emergency personnel</b>	Avoid contact with skin. Avoid inhalation of vapors or mists. Do not touch or walk through spilled material. Ensure adequate ventilation. Remove all sources of ignition. Use personal protective equipment to minimize exposure to skin and eye. In the case of vapor formation use a respirator with an approved filter.
<b>For emergency responders</b>	Not available.
<b>Environmental precautions</b>	Do not flush into surface water or sanitary sewer system.
<b>Methods and materials for containing and cleaning up spills or releases</b>	Not available.
<b>Other issues relating to spills and releases</b>	Dispose of in compliance with federal, state, and local regulations.

## SECTION 7. Handling and storage

<b>Precautions for safe handling</b>	Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists of this product. Use with adequate ventilation. Wear personal protective equipment.
<b>Conditions for safe storage, including any incompatibilities</b>	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks and flame.

## SECTION 8. Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits

##### Mexico. Occupational Exposure Limit Values

Components	Type	Value
Cyclohexanone (CAS 108-94-1)	STEL	400 mg/m <sup>3</sup>
		100 ppm
	TWA	200 mg/m <sup>3</sup> 50 ppm

##### US. ACGIH Threshold Limit Values

Components	Type	Value
2-Butoxyethyl acetate (CAS 112-07-2)	TWA	20 ppm
Cyclohexanone (CAS 108-94-1)	STEL	50 ppm
	TWA	20 ppm

### Biological limit values

##### Mexico. Biological Exposure Indices

Components	Value	Determinant	Specimen	Sampling Time
Cyclohexanone (CAS 108-94-1)	80 mg/l	1,2-Ciclohexanediol, Con hidrólisis	Urine	*

**Mexico. Biological Exposure Indices**

Components	Value	Determinant	Specimen	Sampling Time
	8 mg/l	Ciclohexanol, Con hidrólisis	Urine	*

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

**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.

**Exposure guidelines**

**Mexico OELs: Skin designation**

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

**US ACGIH Threshold Limit Values: Skin designation**

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

**Control banding approach** Not available.

**Appropriate engineering controls** Not available.

**Individual protection measures, such as personal protective equipment (PPE)**

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

**Skin protection**

**Hand protection** Recommended gloves: Nitrile 6 mil minimum thickness.

**Other** Wear appropriate chemical resistant clothing.

**Respiratory protection** Provide adequate ventilation. In case of insufficient ventilation wear suitable respiratory equipment.

**Thermal hazards** Not available.

**General hygiene considerations** Do not get this material in contact with skin. Avoid contact with skin, eyes and clothing. When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product.  
Launder contaminated clothing before reuse.

**SECTION 9. Physical and chemical properties**

**Appearance**

**Physical state** Not available.

**Form** Liquid.

**Color** Cyan

**Odor** Solvent.

**Odor threshold** Not available.

**pH** 5.8 - 6.2 Metler Toledo pH Meter

**Melting point/freezing point** Not available.

**Initial boiling point and boiling range** Not available.

**Flash point**  $\geq 149.0$  °F ( $\geq 65.0$  °C) Closed Cup EPA Method 1020

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

<b>Explosive limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Vapor density</b>	Not available.
<b>Solubility(ies)</b>	
<b>Solubility (water)</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>	12 - 13 cP Brookfield Viscometer T 22C Spindle #18 (S18) RPM 100
<b>Molecular weight</b>	Not available.
<b>Other information</b>	
<b>VOC</b>	< 897 g/L Calculated

## SECTION 10. Stability and reactivity

<b>Reactivity</b>	Not available.
<b>Chemical stability</b>	Stable at normal conditions.
<b>Possibility of hazardous reactions</b>	None known.
<b>Conditions that must be avoided</b>	Heat, flames and sparks.
<b>Incompatible materials</b>	Not available.
<b>Hazardous decomposition products</b>	Not available.

## SECTION 11. Toxicological information

### Information about likely routes of entry

<b>Inhalation</b>	Harmful if inhaled.
<b>Skin contact</b>	Harmful in contact with skin.
<b>Eye contact</b>	Causes serious eye damage.
<b>Ingestion</b>	Ingestion is not a likely route of exposure.

**Symptoms related to the physical, chemical and toxicological characteristics** Not available.

### Delayed and immediate effects and also chronic effects from short and long term exposure

#### Numerical measures of toxicity (such as acute toxicity estimates)

**Acute toxicity** May be harmful if swallowed. Harmful if inhaled. Harmful in contact with skin.

<b>Components</b>	<b>Species</b>	<b>Test Results</b>
Cyclohexanone (CAS 108-94-1)		
<b>Acute</b>		
<b>Inhalation</b>		
<i>Vapor</i>		
LC50	Rat	> 6.2 mg/l, 4 Hours

**Skin corrosion/irritation** Based on available data, the classification criteria are not met.

**Serious eye damage/eye irritation** Causes serious eye damage.

### Respiratory or skin sensitization

**Respiratory sensitization** Based on available data, the classification criteria are not met.

**Skin sensitization** Based on available data, the classification criteria are not met.

**Germ cell mutagenicity** Based on available data, the classification criteria are not met.

**Carcinogenicity** Based on available data, the classification criteria are not met.

### 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.

Vinyl chloride-vinyl acetate copolymer (CAS Proprietary)

3 Not classifiable as to carcinogenicity to humans.

### Reproductive toxicity

Based on available data, the classification criteria are not met.

### Specific target organ toxicity - single exposure

Based on available data, the classification criteria are not met.

### Specific target organ toxicity - repeated exposure

Based on available data, the classification criteria are not met.

### Aspiration hazard

Based on available data, the classification criteria are not met.

### Other information

Complete toxicity data are not available for this specific formulation.

## SECTION 12. Ecotoxicological information

### Toxicity

No ecotoxicity data noted for the ingredient(s).

### Persistence and degradability

Not available.

### Bioaccumulative potential

Not available.

#### Partition coefficient n-octanol / water (log Kow)

Butyl Methacrylate

2.88

Cyclohexanone

0.81

### Mobility in soil

Not available.

### Other adverse effects

Not available.

## SECTION 13. Disposal considerations

### Disposal methods

#### 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.

#### Local disposal regulations

Not available.

#### Waste from residues / unused products

Not available.

#### Contaminated packaging

Not available.

## SECTION 14. Transport information

### DOT

#### UN number

NA1993

#### UN proper shipping name

Combustible liquid n.o.s. (2-methoxy-1-methylethyl acetate, cyclohexanone) -Not regulated in quantities less than 119 gallons

#### Transport hazard class(es)

##### Class

Combustible

##### Subsidiary risk

-

#### Packing group

III

#### Special precautions for user

Not available.

### DOT Supplemental Information

DOT Classification only applies to shipments within the US and Puerto Rico.

### IATA

#### UN number

Not available.

#### UN proper shipping name

Not Regulated

#### Transport hazard class(es)

##### Class

Not available.

##### Subsidiary risk

-

#### Packing group

Not available.

#### Environmental hazards

No

#### Special precautions for user

Not available.

### IMDG

#### UN number

Not available.

#### UN proper shipping name

Not Regulated

**Transport hazard class(es)**  
**Class** Not available.  
**Subsidiary risk** -  
**Packing group** Not available.  
**Transport hazard class(es)**  
**Marine pollutant** No  
**EmS** Not available.  
**Special precautions for user** Not available.

**ADR**

**UN number** Not available.  
**UN proper shipping name** Not Regulated  
**Transport hazard class(es)**  
**Class** Not available.  
**Subsidiary risk** -  
**Hazard No. (ADR)** Not available.  
**Tunnel restriction code** Not available.  
**Packing group** Not available.  
**Environmental hazards** No  
**Special precautions for user** Not available.

**Further information** Transport in bulk according to Annex II of MARPOL73/78 and the IBC code: Not applicable.

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**SECTION 15. Regulatory information**

**Safety, health and environmental regulations specific for the hazard chemical substance or mixture in question**

**Mexico. Hazard identification guidance list (NOM-018-STPS)**

2-Butoxyethyl acetate (CAS 112-07-2) Listed.  
Cyclohexanone (CAS 108-94-1) Listed.

**Mexico. Substances subject to reporting for the pollutant release and transfer registry (PRTR)**

Not listed.

**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.

**Montreal Protocol**

Not applicable.

**Stockholm Convention**

Not applicable.

**Rotterdam Convention**

Not applicable.

**Kyoto protocol**

Not applicable.

**Basel Convention**

Not applicable.

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**SECTION 16. Other included information relevant to the preparation and updating of safety data sheets**

**Issue date** 28-Apr-2015  
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**Version #** 08

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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