MATERIAL SAFETY DATA SHEET

1. Chemical product and company identification

Important information *** 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. ***

A. Product name CN985 Series

Other means of identification

Synonym(s) HP Scitex TJ100 Supreme Light Magenta Ink

B. Recommended use and Limitations on use

Recommended use Inkjet printing.

C. Supplier information

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HP Inc. health effects line
(Toll-free within the US) 1-800-457-4209
(Direct) 1-760-710-0048

HP Inc. Customer Care Line
(Toll-free within the US) 1-800-474-6836
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2. Hazards identification

A. Hazard category/Classification

Physical hazards	Not classified.	
Health hazards	Acute toxicity, dermal	Category 4
	Acute toxicity, inhalation	Category 4
	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 1
Environmental hazards	Not classified.	

B. Warning label items including precautionary statement

• Pictogram

• Signal word Danger

• Hazard statement

H312	Harmful in contact with skin.
H332	Harmful if inhaled.
H318	Causes serious eye damage.
H315	Causes skin irritation.

• Precautionary statement

Prevention

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.
P264	Wash hands thoroughly after handling.

Response

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.
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.

Disposal

P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

C. Other hazards not included in the hazard category criteria (e.g. dust explosion hazard) Potential routes of exposure to this product are skin and eye contact, ingestion, and inhalation.

Supplemental information None.

3. Composition/information on ingredients

Chemical identity	Common and alternative names	CAS number	ID number	Content in percent (%)
2-butoxyethyl acetate		112-07-2	KE-04135	<80
Cyclohexanone		108-94-1	KE-09188	<15
2-methoxy-1-methylethyl acetate		108-65-6	KE-23315	<5

4. First aid measures

A. In case of 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.
Get medical attention immediately.

B. In case of skin contact 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.

C. In case of inhalation Move person to fresh air immediately.
If symptoms persist, get immediate medical attention.

D. In case of swallowing 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.

E. Note to physician Not available.

5. Fire-fighting measures

A. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media Suitable extinguishing media: sand, carbon dioxide (CO_2), and dry chemical.

Unsuitable extinguishing media Not available.

B. Specific hazards arising from the chemical (example: hazardous combustion products) Not available.

C. Specific methods of fire-fighting

Special protective equipment for firefighters Firefighters should wear full protective clothing including self contained breathing apparatus. 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.

6. Accidental release measures

A. Personal precautions, protective equipment and emergency measures 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. Environmental precautions Do not flush into surface water or sanitary sewer system.

C. Methods and materials for containment and cleaning up Not available.

7. Handling and storage

A. Precautions for safe handling

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)

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks and flame.

8. Exposure controls/personal protection

A. Exposure limit values, biological limit values, etc

Korea. OELs. Standards for Exposure to Chemical Substances and Physically Hazardous Factors

Components	Type	Value
2-butoxyethyl acetate (CAS 112-07-2)	TWA	131 mg/m3
		20 ppm
Cyclohexanone (CAS 108-94-1)	STEL	200 mg/m3
		50 ppm
	TWA	100 mg/m3
		25 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

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

Korea OELs: Skin designation

Cyclohexanone (CAS 108-94-1) — Substance can be absorbed through membrane, eye and skin and can cause whole body effects (It does not mean skin irritant).

US ACGIH Threshold Limit Values: Skin designation

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

B. Appropriate engineering controls

Not available.

C. Personal protective equipment

- **Respiratory protection** — Provide adequate ventilation. In case of insufficient ventilation wear suitable respiratory equipment.
- **Eye protection** — Wear safety glasses; chemical goggles (if splashing is possible).
  Eye wash fountain and emergency showers are recommended.
- **Hand protection** — Recommended gloves: Nitrile 6 mil minimum thickness.
- **Body protection** — Wear appropriate chemical resistant clothing.

Hygiene measures

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.

9. Physical and chemical properties

A. Appearance

Physical state — Not available.

Form — Liquid.

Color	Light Magenta
B. Odor	Solvent.
C. Odor threshold	Not available.
D. pH	5.8 - 6.2 Metler Toledo pH Meter
E. Melting point/freezing point	Not available.
F. Boiling point, initial boiling point, and boiling range	Not available.
G. Flash point	>= 149.0 °F (>= 65.0 °C) Closed Cup EPA Method 1020
H. Evaporation rate	Not available.
I. Flammability (solid, gas)	Not available.
J. Upper/lower limit on flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
K. Vapor pressure	Not available.
L. Solubility	
Solubility (water)	Not available.
M. Vapor density	Not available.
N. Specific gravity	Not available.
O. n-octanol/water partition coefficient	Not available.
P. Auto-ignition temperature	Not available.
Q. Decomposition temperature	Not available.
R. Viscosity	13 - 14 cP Brookfield Viscometer T 22C Spindle #18 (S18) RPM 100
S. Molecular weight	Not available.
Other data	
VOC	< 918 g/L Calculated

10. Stability and reactivity

A. Stability and hazardous reaction potential	
Stability	Stable at normal conditions.
Hazardous reaction potential	None known.
B. Conditions to avoid (e.g. static discharge, shock or vibration, etc)	Heat, flames and sparks.
C. Incompatible materials	Not available.
D. Hazardous decomposition products	Not available.

11. Toxicological information

A. Information on likely routes of exposure	
• Respiratory organs	Harmful if inhaled.
• Skin	Harmful in contact with skin.
• Eyes	Causes serious eye damage.
• Mouth	Ingestion is not a likely route of exposure.
B. Information on health hazards	
• Acute toxicity (list all possible routes of exposure)	Harmful if inhaled. Harmful in contact with skin.

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

• Corrosivity or irritation to the skin Based on available data, the classification criteria are not met.

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

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

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

• Carcinogenic properties /Carcinogenicity Based on available data, the classification criteria are not met.

IARC Monographs. Overall Evaluation of Carcinogenicity

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

• Mutagenic properties /Mutagenicity Based on available data, the classification criteria are not met.

• 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.

12. Ecological information

A. Ecotoxicity No data available.

B. Persistence/degradability Not available.

C. Bioaccumulative potential

Octanol/water partition coefficient log Kow

Cyclohexanone 0.81

D. Mobility in soil Not available.

E. Other adverse effects Not available.

13. Disposal considerations

A. Method of disposal 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.

B. Disposal considerations (including disposal of contaminated containers or packaging) Not available.

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.

15. Regulatory information

A. Restrictions under the Industrial Safety and Health Law

Harmful Substances Prohibited from Manufacturing

Not regulated.

Harmful Substances Requiring Permission for Manufacture or Use

Not regulated.

Controlled Hazardous Substances

2-butoxyethyl acetate (CAS 112-07-2)
Cyclohexanone (CAS 108-94-1)

Harmful Substances Requiring Special Medical Examination

2-butoxyethyl acetate (CAS 112-07-2)
Cyclohexanone (CAS 108-94-1)

Workplace Environmental Monitoring Harmful Materials

2-butoxyethyl acetate (CAS 112-07-2)
Cyclohexanone (CAS 108-94-1)

Occupational Exposure Limit

2-butoxyethyl acetate (CAS 112-07-2)
Cyclohexanone (CAS 108-94-1)

B. Restrictions under the Chemicals Control Law (Previously Toxic Chemicals Control Law)

Accidental Release Prevention Substances

Not regulated.

Act on the Registration and Evaluation of Chemicals

Banned Toxic Chemicals

Not regulated.

Designated Existing Chemicals Subject to Registration (PEC) (MoE No. 2015-92)

Not listed.

Restricted Chemical Substances

Not regulated.

Toxic Chemicals

Not regulated.

C. Restrictions under the Dangerous Substance Safety Management Act

D. Restrictions under the Wastes Control Act

Halogenated Materials in Waste Organic Solvents

Not regulated.

Hazardous Substances

Not regulated.

E. Restrictions under other foreign or domestic laws

Clean Air Conservation Act

Air Pollutants

Not regulated.

Prior Informed Consent Procedure for Certain Hazardous Chemicals and Pesticides (Rules on PIC, MoE No. 2014-252, Dec. 31, 2014; Standards for Pesticides, RDA No. 2014-26), as amended

Not listed.

Specific Air Pollutants

Not regulated.

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.

16. Other information

A. Source of information	Not available.
B. Issue date	28-Apr-2015
C. Number of revisions and date of most recent revision	06-Apr-2021 (10 revision)
D. Other	Not available.
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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