



MATERIAL SAFETY DATA SHEET

1. Chemical product and company identification

A. Product name CD405 Series
Synonym(s) HP DS100 Specialty Textile Light Yellow Scitex Ink

B. Recommended use and Limitations on use
Recommended use Inkjet printing

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Issue date 16-Aug-2016
Version # 01

2. Hazards identification

A. Hazard category/Classification

Physical hazards Not classified.
Health hazards Not classified.
Environmental hazards Not classified.

B. Warning label items including precautionary statement

• **Pictogram**



• **Signal word** Warning

• **Hazard statement**
H312 Harmful in contact with skin.

• **Precautionary statement**

Prevention

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

Response

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water.
P312 - Call a POISON CENTER/doctor/physician if you feel unwell.
P363 - Wash contaminated clothing before reuse.

Storage

None

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) Not available.

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

3. Composition/information on ingredients

Chemical identity	Common and alternative names	CAS number	ID number	Content in percent (%)
Ethylene Glycol, Monobutyl Ether Acetate		112-07-2	KE-04135	<100

4. First aid measures

- A. In case of eye contact** In case of contact, immediately flush eyes with large amounts of water, continuing to flush for 15 minutes. If irritation persists get medical attention.
- B. In case of skin contact** In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. If irritation persists get medical attention. Remove and isolate contaminated clothing and shoes. Thoroughly wash (or discard) clothing and shoes before reuse.
- C. In case of inhalation** Move to fresh air. If symptoms persist, get medical attention.
- D. In case of swallowing** If swallowed, seek medical advice immediately and show this container or label.
- E. Note to physician** Treat symptomatically.
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5. Fire-fighting measures

A. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media CO₂, water, dry chemical, or foam

Unsuitable extinguishing media Water may be ineffective. Do not use a solid water stream as it may scatter and spread fire.

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

C. Specific methods of fire-fighting

Special fire fighting procedures Firefighters should wear full protective clothing including self contained breathing apparatus.

C. Specific methods of fire-fighting Not available.

6. Accidental release measures

A. Personal precautions, protective equipment and emergency measures Not available.

B. Environmental precautions Not available.

C. Methods and materials for containment and cleaning up Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

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
Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)	TWA	131 mg/m ³
		20 ppm

US. ACGIH Threshold Limit Values

Components	Type	Value
Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)	TWA	20 ppm

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

Exposure guidelines None established.

B. Appropriate engineering controls Use in a well ventilated area.
Ensure adequate ventilation, especially in confined areas. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Additional area ventilation or local exhaust may be required to maintain air concentrations below recommended exposure limits.

C. Personal protective equipment

- **Respiratory protection** Not available.
- **Eye protection** Avoid contact with eyes
Wear safety glasses; chemical goggles (if splashing is possible).
- **Hand protection** Recommended gloves: Nitrile 6 mil minimum thickness.
- **Body protection** Use personal protective equipment to minimize exposure to skin and eye.

Recommended monitoring procedures

Additional exposure data None established.

9. Physical and chemical properties

A. Appearance

Physical state Not available.

Color Light yellow.

B. Odor Not available.

C. Odor threshold Not available.

D. pH Not applicable.

E. Melting point/freezing point

Freezing point Not determined.

F. Boiling point, initial boiling point, and boiling range Not determined.

G. Flash point > 145.0 °F (> 62.8 °C) (Closed Cup)

H. Evaporation rate Not determined.

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 determined.

L. Solubility

Solubility (water) Not available.

M. Vapor density Not available.

N. Specific gravity 0.94 @ 20 Degrees C

O. n-octanol/water partition coefficient Not available.

P. Auto-ignition temperature Not available.

Q. Decomposition temperature Not available.

R. Viscosity Not available.

S. Molecular weight Not available.

Other data

VOC (Weight %) < 850 g/L

10. Stability and reactivity

A. Stability and hazardous reaction potential

Stability Stable at normal conditions

Hazardous reaction potential Will not occur.

B. Conditions to avoid (e.g. static discharge, shock or vibration, etc)	Not available.
C. Incompatible materials	strong oxidizing agents Strong acids and strong alkalis. oxidizing agents
D. Hazardous decomposition products	None known.

11. Toxicological information

A. Information on likely routes of exposure

- **Respiratory organs** Not available.
- **Mouth** Not available.
- **Eyes** Not available.
- **Skin** Not available.

B. Information on health hazards

- **Acute toxicity (list all possible routes of exposure)** Harmful in contact with skin.
- **Corrosivity or irritation to the skin** Based on available data, the classification criteria are not met.
- **Serious eye damage/eye irritation** Based on available data, the classification criteria are not met.
- **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.
- **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.

Product	Species	Test Results
CD405 Series		
Acute		
<i>Oral</i>		
LD50	Rat	2400 mg/kg
Components		
Species		
Test Results		
Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	1500 mg/kg
<i>Oral</i>		
LD50	Rat	2400 mg/kg
<i>Other</i>		
LD50	Mouse	754 mg/kg

Further information Complete toxicity data are not available for this specific formulation

12. Ecological information

A. Ecotoxicity

- No data available.
- Hazardous to the aquatic environment, acute hazard** Not available.

Hazardous to the aquatic environment, long-term hazard	Not available.
B. Persistence/degradability	Not available.
C. Bioaccumulative potential	Not available.
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. (butyl cellosolve acetate) -Not regulated in quantities less than 119 gallons
Transport hazard class(es)	
Class	Combustible
Subsidiary risk	-
Packaging group	III
Special precautions for user	Not available.
IATA	
	Not regulated as dangerous goods.
IMDG	
	Not regulated as dangerous goods.
ADR	
	Not regulated as dangerous goods.

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

ETHYLENE GLYCOL MONOBUTYL ACETATE (CAS 112-07-2)

Harmful Substances Requiring Special Medical Examination

2-BUTOXYETHANOLACETATE (CAS 112-07-2)

Workplace Environmental Monitoring Harmful Materials

ETHYLENE GLYCOL MONO BUTYL ACETATE (CAS 112-07-2)

Occupational Exposure Limit

ETHYLENEGLYCOL MONOBUTYL ETHERACETATE (CAS 112-07-2)

B. Restrictions under the Toxic Chemicals Control Law

Accidental Release Prevention Substances

Not regulated.

Banned Toxic Chemicals

Not regulated.

Observational Chemicals

Not regulated.

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.

Specific Air Pollutants

Not regulated.

16. Other information

A. Source of information	Not available.
B. Issue date	16-Aug-2016
C. Number of revisions and date of most recent revision	Not applicable.
D. Other	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.
This data sheet contains changes from the previous version in section(s):	1. Product and Company Identification: Synonyms Composition/Information on Ingredients 8. Exposure Controls / Personal Protection: OELs 9. Physical & Chemical Properties: Multiple Properties 14. Transport Information: Material Transportation Information 15. Regulatory Information: United States HazReg Data: Europe - EU
Manufacturer information	HP Inc. 1501 Page Mill Road Palo Alto, CA 94304-1112 US (Direct) +972 (9) 892-4628

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