



# MATERIAL SAFETY DATA SHEET

## 1. Chemical product and company identification

**A. Product name** CD401 Series  
**Synonym(s)** HP DS100 Specialty Textile Yellow Scitex Ink

### B. Recommended use and Limitations on use

**Recommended use** Inkjet printing

### C. Supplier information

HP Korea House  
23-6 Yoido-dong  
Youngdeungpo-gu  
Seoul 150-742, Korea

**Telephone** (02) 2199-0114

### 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

**(Direct)** 1-208-323-2551

**Email:** hpcustomer.inquiries@hp.com

## 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.

##### 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	<90

Chemical identity	Common and alternative names	CAS number	ID number	Content in percent (%)
Ethylacetate		141-78-6	KE-00047, 97-1-161	<2.5

#### 4. First aid measures

<b>A. In case of eye contact</b>	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>B. In case of skin contact</b>	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.
<b>C. In case of inhalation</b>	Move to fresh air. If symptoms persist, get medical attention.
<b>D. In case of swallowing</b>	If swallowed, seek medical advice immediately and show this container or label.
<b>E. Note to physician</b>	Treat symptomatically.

#### 5. Fire-fighting measures

<b>A. Suitable (and unsuitable) extinguishing media</b>	
<b>Suitable extinguishing media</b>	CO2, water, dry chemical, or foam
<b>Unsuitable extinguishing media</b>	Water may be ineffective. Do not use a solid water stream as it may scatter and spread fire.
<b>B. Specific hazards arising from the chemical (example: hazardous combustion products)</b>	Not available.
<b>C. Specific methods of fire-fighting</b>	
<b>Special fire fighting procedures</b>	Firefighters should wear full protective clothing including self contained breathing apparatus.
<b>Specific methods</b>	Water mist may be used to cool closed containers.

#### 6. Accidental release measures

<b>A. Personal precautions, protective equipment and emergency measures</b>	Not available.
<b>B. Environmental precautions</b>	Not available.
<b>C. Methods and materials for containment and cleaning up</b>	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

<b>A. 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>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.

#### 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/m <sup>3</sup>
Ethylacetate (CAS 141-78-6)	TWA	20 ppm
		1400 mg/m <sup>3</sup>
		400 ppm

###### US. ACGIH Threshold Limit Values

Components	Type	Value
2-Butoxyethyl acetate (CAS 112-07-2)	TWA	20 ppm

**US. ACGIH Threshold Limit Values****Components****Type****Value**Ethylacetate (CAS  
141-78-6)

TWA

400 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.

**9. Physical and chemical properties****A. Appearance****Physical state**

Not available.

**Form**

Not available.

**Color**

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**

&gt; 145.0 °F (&gt; 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**

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

## 11. Toxicological information

### A. Information on likely routes of exposure

- **Respiratory organs** Inhalation may result in mild irritation to the respiratory system.
- **Skin** Contact with skin may result in mild irritation.
- **Eyes** Contact with eyes may result in mild irritation.
- **Mouth** Ingestion is not a likely route of exposure.

### B. Information on health hazards

- **Acute toxicity (list all possible routes of exposure)** Harmful in contact with skin.

Product	Species	Test Results
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CD401 Series

#### Acute

#### Oral

LD50

Rat

2400 mg/kg

- **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.

## 12. Ecological information

**A. Ecotoxicity** This product has not been tested for ecological effects.

**B. Persistence/degradability** Not available.

### C. Bioaccumulative potential

**Octanol/water partition coefficient log Kow**

Ethylacetate

0.73

**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.

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## 14. Transport information

<b>DOT</b>	
<b>UN number</b>	NA1993
<b>UN proper shipping name</b>	Combustible liquid n.o.s. (butyl cellosolve acetate) -Not regulated in quantities less than 119 gallons
<b>Transport hazard class(es)</b>	
<b>Class</b>	Combustible
<b>Subsidiary risk</b>	-
<b>Packing group</b>	III
<b>Special precautions for user</b>	Not available.
<b>IATA</b>	
Not regulated as dangerous goods.	
<b>IMDG</b>	
Not regulated as dangerous goods.	
<b>ADR</b>	
Not regulated as dangerous goods.	

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## 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

ETHYL ACETATE (CAS 141-78-6)

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

ETHYL ACETATE (CAS 141-78-6)

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

#### Occupational Exposure Limit

ETHYL ACETATE (CAS 141-78-6)

ETHYLENEGLYCOL MONOBUTYL ETHERACETATE (CAS 112-07-2)

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

#### Accidental Release Prevention Substances

Not regulated.

#### Observational 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.

#### Act on the Registration and Evaluation of Chemicals

##### Banned Toxic Chemicals

Not regulated.

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

Ethylacetate (CAS 141-78-6)

##### Restricted Chemical Substances

Not regulated.

##### Toxic Chemicals

Not regulated.

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## 16. Other information

<b>A. Source of information</b>	Not available.
<b>B. Issue date</b>	13-Oct-2014
<b>C. Number of revisions and date of most recent revision</b>	05-Feb-2019 (03 revision)
<b>D. Other</b>	Not available.

### Disclaimer

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### Revision information

1. Product and Company Identification: Alternate Trade Names  
Hazards identification: Prevention  
Hazards identification: Response  
Toxicological information: • Eyes  
Toxicological information: • Mouth  
Toxicological information: • Respiratory organs  
Toxicological information: • Skin  
Other information: Disclaimer

### 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