



SAFETY DATA SHEET

1. Product and company identification

Product name CD402 Series
Synonyms HP DS100 Specialty Textile Black Scitex Ink
Recommended use and Limitations on use
Recommended use Inkjet printing
Issue date 13-Aug-2016
Version # 01
Company identification HP Taiwan Information Technology Ltd.
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2. Hazards identification

Hazard classification

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

Label elements

Symbols



Signal word

Warning

Hazard statement

Combustible liquid. Harmful in contact with skin. May cause an allergic skin reaction.

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.

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.
 P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention.
 P312 - Call a POISON CENTER/doctor/physician if you feel unwell.
 P363 - Wash contaminated clothing before reuse.

Storage

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

Disposal

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

Other hazards

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

3. Composition/information on ingredients

Substance or mixture Mixture

Components	CAS #	Percent
Ethylene Glycol, Monobutyl Ether Acetate	112-07-2	<90
1,4-diaminoanthraquinone	128-95-0	<5

Components	CAS #	Percent
Ethylacetate	141-78-6	<5

4. First aid measures

First aid measures for different exposure routes

Inhalation	Move to fresh air. If symptoms persist, get medical attention.
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.
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.
Ingestion	If swallowed, seek medical advice immediately and show this container or label.
Most important symptoms and effects	Not available.
Personal protection for first-aid responders	Not available.
Notes to physician	Treat symptomatically.

5. Fire-fighting measures

Flash point	> 145.0 °F (> 62.8 °C) (Closed Cup)
Extinguishing media	CO ₂ , water, dry chemical, or foam
Extinguishing media to avoid	Water may be ineffective. Do not use a solid water stream as it may scatter and spread fire.
Specific hazards during fire fighting	Not available.
Special fire fighting procedures	Firefighters should wear full protective clothing including self contained breathing apparatus.
Protection of fire-fighters	None.
Specific methods	Water mist may be used to cool closed containers.

6. Accidental release measures

Personal precautions	Not available.
Environmental precautions	Not available.
Spill cleanup methods	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).
Other information	Dispose of in compliance with federal, state, and local regulations.

7. Handling and storage

Handling	
Technical measures	Wear personal protective equipment.
Precautions	Not available.
Safe handling advice	Use this product with adequate ventilation. Avoid breathing vapors or mists of this product. Avoid contact with skin, eyes and clothing.
Storage	
Technical measures	Keep away from heat, sparks and open flame. Keep containers tightly closed in a dry, cool and well-ventilated place.
Suitable storage conditions	Not available.
Incompatible materials	Not available.

8. Exposure controls/personal protection

Exposure limits

Taiwan. OELs. (Standards on Workplace Atmosphere of Dangerous and Hazardous Materials)

Components	Type	Value
Ethylacetate (CAS 141-78-6)	TWA	1440 mg/m ³

Taiwan. OELs. (Standards on Workplace Atmosphere of Dangerous and Hazardous Materials)

Components	Type	Value
		400 ppm

US. ACGIH Threshold Limit Values

Components	Type	Value
Ethylacetate (CAS 141-78-6)	TWA	400 ppm
Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)	TWA	20 ppm

Biological limit values

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

Engineering measures

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.

Personal protective equipment

Respiratory protection

Not available.

Hand protection

Recommended gloves: Nitrile 6 mil minimum thickness.

Eye protection

Avoid contact with eyes
Wear safety glasses; chemical goggles (if splashing is possible).

Skin and body protection

Use personal protective equipment to minimize exposure to skin and eye.

Hygiene measures

Not available.

Exposure guidelines

None established.

9. Physical and chemical properties

Appearance

Physical state

Not available.

Color

Black.

Odor

Not available.

pH

Not applicable.

Melting point/freezing point

Not determined.

Boiling point, initial boiling point, and boiling range

Not determined.

Flash point

> 145.0 °F (> 62.8 °C) (Closed Cup)

Flammability (solid, gas)

Not available.

Explosive limit - lower (%)

Not available.

Explosive limit - upper (%)

Not available.

Vapor pressure

Not determined.

Solubility(ies)

Solubility (water)

Not available.

Decomposition temperature

Not available.

Other data

Specific gravity

0.94 @ 20 Degrees C

VOC (Weight %)

< 850 g/L

10. Stability and reactivity

Stability

Stable at normal conditions

Conditions to avoid

None.

Incompatible materials

strong oxidizing agents Strong acids and strong alkalis. oxidizing agents

Hazardous decomposition products

None known.

Possibility of hazardous reactions

Will not occur.

11. Toxicological information

Acute toxicity Harmful in contact with skin.
Skin corrosion/irritation 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 sensitizer Based on available data, the classification criteria are not met.
Skin sensitizer May cause sensitization by skin contact.
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

Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2) A3 Confirmed animal carcinogen with unknown relevance to humans.

Toxic to reproduction 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

Product	Species	Test Results
CD402 Series		
Acute		
<i>Oral</i>		
LD50	Rat	2400 mg/kg
Components		
Species		
Test Results		
Ethylacetate (CAS 141-78-6)		
Acute		
<i>Inhalation</i>		
LC50	Rat	16000 ppm, 6 Hours
LD50	Mouse	1500 ppm, 4 Hours
	Rabbit	2500 ppm, 4 Hours
	Rat	4000 ppm, 4 Hours
<i>Oral</i>		
LD50	Mouse	0.44 g/kg
	Rabbit	4.9 g/kg
	Rat	11.3 ml/kg
		5.6 g/kg
<i>Other</i>		
LD50	Cat	3 g/kg
	Guinea pig	3 g/kg
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

Components	Species	Test Results
<i>Other</i> LD50	Mouse	754 mg/kg

12. Ecological information

Ecotoxicological data

Components	Species	Test Results
Ethylacetate (CAS 141-78-6)		
Aquatic		
Fish	LC50	Indian catfish (<i>Heteropneustes fossilis</i>) 200.32 - 225.42 mg/l, 96 hours
Ecotoxicity	This product has not been tested for ecological effects.	
Persistence and degradability	Not available.	
Bioaccumulation		
Bioaccumulative potential		
Octanol/water partition coefficient log Kow		
Ethylacetate		0.73
Mobility in soil	Not available.	
Other hazardous effects	Not available.	

13. Disposal considerations

Local disposal regulations	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.
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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

Applicable regulations

Taiwan Hazard - Toxic Materials: Classification

ETHYL ACETATE (CAS 141-78-6) Organic Solvent Toxicant

Methods and Facilities Standards for the Storage, Clearance and Disposal of Industrial Waste

Not listed.

Standards on Workplace Atmosphere of Dangerous and Hazardous Materials

Ethylacetate (CAS 141-78-6) Listed.

Regulations for Governing Prevention of Organic Solvent Poisoning

Ethylacetate (CAS 141-78-6) Type 2 Organic Solvent

GHS Classification List: GHS implementation phase 1 and 2 (CLA No. 0960145703, 0970146313, and 0990146707)

Ethylacetate (CAS 141-78-6)

16. Other information

References	Not available.
Issued by	HP Inc.
Prepared by	HP Chemical Compliance & Toxicology Department
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.
Issue date	13-Aug-2016
Version #	01
This data sheet contains changes from the previous version in section(s):	Composition/Information on Ingredients 9. Physical & Chemical Properties: Multiple Properties 15. Regulatory Information: United States GHS: Classification
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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