



MATERIAL SAFETY DATA SHEET

1. Product and company identification

Product name CD406 Series
Synonyms HP DS100 Specialty Textile Light Black Scitex Ink
Recommended use Inkjet printing
Limitations on use Not available.
Issue date 13-Aug-2016
Version # 01
Company identification ZAO Hewlett-Packard A.O.
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2. Hazards identification

Hazard classification
Physical hazards Not classified.
Health hazards Not classified.
Environmental hazards Not classified.

Label elements



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	CAS Number	Concentration (%)
Ethylene Glycol, Monobutyl Ether Acetate	112-07-2	<90
1,4-diaminoanthraquinone	128-95-0	<2.5
Ethylacetate	141-78-6	<2.5

4. First aid measures

First aid measures for different exposure routes

Inhalation	Move to fresh air. If symptoms persist, get medical attention.
Ingestion	If swallowed, seek medical advice immediately and show this container or label.
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.

Most important symptoms and effects Not available.

Notes to physician Treat symptomatically.

5. Fire-fighting measures

Flash point	> 145.0 °F (> 62.8 °C) (Closed Cup)
General fire hazards	Not available.
Suitable extinguishing media	CO ₂ , 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.
Specific hazards during fire fighting	Not available.
Special fire fighting procedures	Firefighters should wear full protective clothing including self contained breathing apparatus.
Personal protective equipment for fire-fighting	None.
Specific methods	Water mist may be used to cool closed containers.

6. Accidental release measures

Personal precautions	Not available.
Environmental precautions	Not available.
Clean-up methods and materials and containment measures	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

Handling

Safe handling advice Use this product with adequate ventilation.
Avoid contact with skin, eyes and clothing.
Avoid breathing vapors or mists of this product.

Storage

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

Incompatible materials Not available.

8. Exposure controls/personal protection

Occupational exposure limits

Russian Federation. Hygiene Norm GN 2.2.5.1313-03. Executive No. 76 of 30 April 2003. Maximum allowable concentration (MAC) of harmful substances in the air of working zones, as amended.

Components	Type	Value	Form
Ethylacetate (CAS 141-78-6)	Ceiling	200 mg/m ³	Vapor.
	TWA	50 mg/m ³	Vapor.

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.

9. Physical and chemical properties

Appearance

Physical state	Not available.
Color	Black.
Odor	Not available.
Odor threshold	Not available.
pH	Not applicable.
Melting point/freezing point	Not determined.
Initial boiling point and boiling range	Not determined.
Flash point	> 145.0 °F (> 62.8 °C) (Closed Cup)
Heat of combustion	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Vapor pressure	Not determined.
Viscosity	Not available.
Solubility	Not available.
Partition coefficient (n-octanol/water)	Not available.
Other data	
Evaporation rate	Not determined.
Relative density	0.94 g/cm ³ @ 20 Degrees C
Specific gravity	0.94 @ 20 Degrees C
VOC (Weight %)	< 850 g/L

10. Stability and reactivity

Stability	Stable at normal conditions
Possibility of hazardous reactions	Will not occur.
Conditions to avoid	None.
Incompatible materials	strong oxidizing agents Strong acids and strong alkalis. oxidizing agents
Hazardous decomposition products	None known.

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 sensitization	Based on available data, the classification criteria are not met.
Skin sensitization	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.
Russian Federation. Sanitary-Epidemiological Rules, 1.2.2353-08, Chemical substances, mixtures and products which are carcinogenic factors, 21 April 2008	
	Not listed.
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
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CD406 Series

Acute

Oral

LD50	Rat	2400 mg/kg
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Components	Species	Test Results
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Ethylacetate (CAS 141-78-6)

Acute

Inhalation

LC50	Rat	16000 ppm, 6 Hours
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LD50	Mouse	1500 ppm, 4 Hours
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	Rabbit	2500 ppm, 4 Hours
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	Rat	4000 ppm, 4 Hours
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Oral

LD50	Mouse	0.44 g/kg
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	Rabbit	4.9 g/kg
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	Rat	11.3 ml/kg
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		5.6 g/kg
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Other

LD50	Cat	3 g/kg
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	Guinea pig	3 g/kg
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Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)

Acute

Dermal

LD50	Rabbit	1500 mg/kg
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Oral

LD50	Rat	2400 mg/kg
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Other

LD50	Mouse	754 mg/kg
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12. Ecological information

Persistence and degradability Not available.

Bioaccumulation

Bioaccumulative potential

Octanol/water partition coefficient log Kow

Ethylacetate	0.73
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Mobility in soil Not available.

Other hazardous effects Not available.

Ecotoxicological data

Components	Species	Test Results
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Ethylacetate (CAS 141-78-6)

Aquatic

Fish	LC50	Indian catfish (Heteropneustes fossilis) 200.32 - 225.42 mg/l, 96 hours
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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.

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

Russian Federation. Sanitary-Epidemiological Rules, 1.2.2353-08, Chemical substances, mixtures and products which are carcinogenic factors, 21 April 2008

Not listed.

Ministry of Health and Social Development of Russian Federation. Order № 83 of 16.08.2004. List of hazardous and/or dangerous production factors and work under which preliminary and periodic medical examinations are conducted, methods of the examinations.

Not listed.

Hygiene Norm GN 2.2.5.1313-03. Executive No. 76 of 30 April 2003. Maximum allowable concentration (MAC) of harmful substances in the air of working zones, as amended.

Ethylacetate (CAS 141-78-6)

Listed.

16. Other information

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.

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Version # 01

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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