



SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Identification of the substance/preparation CD406 Series

Synonym(s) HP DS100 Specialty Textile Light Black Scitex Ink

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Version # 01

Recommended use Inkjet printing

Company identification HP PPS Malaysia Sdn. Bhd.
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2. HAZARDS IDENTIFICATION

Physical hazards Not classified.

Health hazards Not classified.

Environmental hazards Not classified.

GHS label elements

Signal word Warning



Hazard statement

H312 Harmful in contact with skin.
H317 May cause an allergic skin reaction.

Precautionary statement

Prevention

P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.

Response

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

None.

Disposal

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS #	Percent
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

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.
Notes to physician	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flash point	> 145.0 °F (> 62.8 °C) (Closed Cup)
Suitable extinguishing media	CO ₂ , water, dry chemical, or foam
Extinguishing media which must not be used for safety reasons	Water may be ineffective. Do not use a solid water stream as it may scatter and spread fire.
Unusual fire & explosion hazards	None known.
Fire fighting equipment/instructions	Firefighters should wear full protective clothing including self contained breathing apparatus.
Specific methods	Water mist may be used to cool closed containers.
Hazardous combustion products	Carbon monoxide and carbon dioxide.

6. ACCIDENTAL RELEASE MEASURES

Methods for 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).
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7. HANDLING AND STORAGE

Handling	Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists of this product. Use with adequate ventilation. Wear personal protective equipment.
Storage	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks and flame.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits

Malaysia. OELs. (Occupational Safety and Health (Use and Standards of Exposure of Chemicals Hazardous to Health) Regulations)

Components	Type	Value
Ethylacetate (CAS 141-78-6)	TWA	1440 mg/m ³ 400 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).

Recommended monitoring procedures

Additional exposure data None established.

Engineering measures to reduce exposure 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

Hand protection Recommended gloves: Nitrile 6 mil minimum thickness.

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical state	Not available.
Color	Black.
Odor	Not available.
Odor threshold	Not available.
pH	Not applicable.
Vapor pressure	Not determined.
Boiling point	Not determined.
Melting point/Freezing point	Not determined.
Solubility (water)	Not available.
Specific gravity	0.94 @ 20 Degrees C
Flash point	> 145.0 °F (> 62.8 °C) (Closed Cup)
Flammability limits in air, upper, % by volume	Not available.
Flammability limits in air, lower, % by volume	Not available.
Auto-ignition temperature	Not available.
VOC	< 850 g/L
Evaporation rate	Not determined.

10. STABILITY AND REACTIVITY

Conditions to avoid	Not available.
Hazardous decomposition products	None known.
Stability	Stable at normal conditions
Materials to avoid	strong oxidizing agents Strong acids and strong alkalis. oxidizing agents
Hazardous polymerization	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 or skin sensitization	
Skin sensitization	May cause sensitization by skin contact.
Respiratory sensitization	Based on available data, the classification criteria are not met.
Carcinogenicity	Based on available data, the classification criteria are not met.
Germ cell mutagenicity	Based on available data, the classification criteria are not met.
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.
Further information	Complete toxicity data are not available for this specific formulation

Toxicological data	Species	Test Results
Product		
CD406 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

Dermal

LD50 Rabbit 1500 mg/kg

Oral

LD50 Rat 2400 mg/kg

Other

LD50 Mouse 754 mg/kg

12. ECOLOGICAL INFORMATION

Ecotoxicological data

Components	Species	Test Results
Ethylacetate (CAS 141-78-6)		
Aquatic		
Fish	LC50	Indian catfish (Heteropneustes fossilis) 200.32 - 225.42 mg/l, 96 hours
Environmental effects	Not available.	
Bioaccumulation		
Bioaccumulative potential		
Octanol/water partition coefficient log Kow		
Ethylacetate		0.73

13. DISPOSAL CONSIDERATIONS

Disposal instructions 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

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.

Prepared by

HP Chemical Compliance & Toxicology Department

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Version #

01

This data sheet contains changes from the previous version in section(s):

1. Product and Company Identification: Synonyms
3. Composition / Information on Ingredients: 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: Pacific Rim

Manufacturer information

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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