



SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name or designation of the mixture CD406 Series
Registration number -
Synonyms HP DS100 Specialty Textile Light Black Scitex Ink
Issue date 14-Aug-2016
Version number 01

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Inkjet printing
Uses advised against None known.

Company identification HP PPS Sverige AB
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 as amended

2.2. Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

Contains: 1,4-diaminoanthraquinone, Ethylacetate, Ethylene Glycol, Monobutyl Ether Acetate

Hazard pictograms



Signal word Warning

Hazard statements

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

Precautionary statements

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

Not available.

Disposal

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

Supplemental label information

None.

2.3. Other hazards

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

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General information

| Chemical name | % | CAS-No. / EC No. | REACH Registration No. | Index No. | Notes |
|--|--|-----------------------|------------------------|--------------|-------|
| Ethylene Glycol, Monobutyl Ether Acetate | <90 | 112-07-2 203-933-3 | 01-2119475112-47-XXXX | 607-038-00-2 | # |
| Classification: | Acute Tox. 4;H302, Acute Tox. 4;H312 | | | | |
| 1,4-diaminoanthraquinone | <2.5 | 128-95-0 204-922-6 | - | - | |
| Classification: | Skin Sens. 1;H317 | | | | |
| Ethylacetate | <2.5 | 141-78-6 205-500-4 | - | 607-022-00-5 | |
| Classification: | Flam. Liq. 2;H225, Eye Irrit. 2;H319, STOT SE 3;H336 | | | | |

SECTION 4: First aid measures

General information Not available.

4.1. Description of 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.

4.2. Most important symptoms and effects, both acute and delayed Not available.

4.3. Indication of any immediate medical attention and special treatment needed Treat symptomatically.

SECTION 5: Firefighting measures

General fire hazards Not available.

5.1. 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.

5.2. Special hazards arising from the substance or mixture Not available.

5.3. Advice for firefighters

Special protective equipment for firefighters Not available.

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

Specific methods Water mist may be used to cool closed containers.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel Not available.

| | |
|--|---|
| For emergency responders | Not available. |
| 6.2. Environmental precautions | Not available. |
| 6.3. Methods and material 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). |
| 6.4. Reference to other sections | Not available. |

SECTION 7: Handling and storage

| | |
|--|---|
| 7.1. 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. |
| 7.2. 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. |
| 7.3. Specific end use(s) | Not available. |

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

Sweden. Occupational Exposure Limit Values

| Components | Type | Value |
|---|------|------------------------------|
| Ethylacetate (CAS 141-78-6) | STEL | 1100 mg/m3 300 ppm |
| | TWA | 500 mg/m3 150 ppm |
| | STEL | 140 mg/m3 |
| Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2) | STEL | 140 mg/m3 |
| | TWA | 20 ppm 70 mg/m3 10 ppm |

EU. Indicative Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU

| Components | Type | Value |
|---|------|-------------------------------|
| Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2) | STEL | 333 mg/m3 |
| | TWA | 50 ppm 133 mg/m3 20 ppm |

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

Recommended monitoring procedures Not available.

Derived no-effect level (DNEL)

| Components | Type | Route | Value | Form |
|---|-----------|------------|----------------|---------------------------|
| Ethylacetate (CAS 141-78-6) | Workers | Dermal | 63 mg/kg | Systemic long term |
| | | Inhalation | 734 mg/m3 | Local long term |
| | | Inhalation | 734 mg/m3 | Systemic long term |
| | | Inhalation | 1468 mg/m3 | Local short term |
| | | Inhalation | 1468 mg/m3 | Systemic short term |
| Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2) | Consumers | Dermal | 72 mg/kg bw/d | Systemic acute short term |
| | | Dermal | 102 mg/kg bw/d | Systemic long term |
| | | Inhalation | 80 mg/m3 | Systemic long term |
| | | Inhalation | 200 mg/m3 | Local acute short term |
| | | Oral | 8.6 mg/kg bw/d | Systemic long term |
| | Workers | Oral | 36 mg/kg bw/d | Systemic acute short term |
| | | Dermal | 169 mg/kg bw/d | Systemic long term |
| | | Dermal | 120 mg/kg bw/d | Systemic acute short term |

| Components | Type | Route | Value | Form |
|------------|------|------------|-----------------------|------------------------|
| | | Inhalation | 333 mg/m ³ | Local acute short term |
| | | Inhalation | 133 mg/m ³ | Systemic long term |

Predicted no effect concentrations (PNECs)

| Components | Type | Route | Value | Form |
|---|----------------|--------------|-------------|------------------------|
| Ethylacetate (CAS 141-78-6) | Not applicable | Freshwater | 0.24 mg/l | |
| | | Intermittant | 1.65 mg/l | Releases |
| | | Marine water | 0.024 mg/l | |
| | | Sediment | 1.15 mg/kg | Freshwater |
| | | Sediment | 0.115 mg/kg | Marine water |
| | | Soil | 0.148 mg/kg | |
| | | STP | 650 mg/l | Sewage Treatment Plant |
| Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2) | Not applicable | Freshwater | 0.304 mg/l | |
| | | Intermittant | 0.56 mg/l | Releases |
| | | Marine water | 0.0304 mg/l | |
| | | Secondary | 0.06 g/kg | Food poisoning |
| | | Sediment | 2.03 mg/kg | Freshwater |
| | | Sediment | 0.203 mg/kg | Marine water |
| | | Soil | 0.42 mg/kg | |
| | | STP | 90 mg/l | Sewage Treatment Plant |

Exposure guidelines None established.

Sweden Threshold Limit Values: Skin designation

Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2) Can be absorbed through the skin.

8.2. Exposure controls

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.

Individual protection measures, such as personal protective equipment

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

Hygiene measures Not available.

Environmental exposure controls Not available.

SECTION 9: Physical and chemical properties

9.1. Information on basic 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)

Evaporation rate Not determined.

Flammability (solid, gas) Not available.

Upper/lower flammability or explosive limits**Flammability limit - lower (%)** Not available.**Flammability limit - upper (%)** Not available.**Vapor pressure** Not determined.**Vapor density** Not available.**Relative density** 0.94 g/cm³ @ 20 Degrees C**Solubility(ies)****Solubility (water)** Not available.**Solubility (other)** Not available.**Partition coefficient (n-octanol/water)** Not available.**Auto-ignition temperature** Not available.**Decomposition temperature** Not available.**Viscosity** Not available.**Explosive properties** Not available.**Oxidizing properties** Not available.**9.2. Other information****Specific gravity** 0.94 @ 20 Degrees C**VOC (Weight %)** < 850 g/L

SECTION 10: Stability and reactivity**10.1. Reactivity** Not available.**10.2. Chemical stability** Stable at normal conditions**10.3. Possibility of hazardous reactions** Will not occur.**10.4. Conditions to avoid** Not available.**10.5. Incompatible materials** strong oxidizing agents Strong acids and strong alkalis. oxidizing agents**10.6. Hazardous decomposition products** None known.

SECTION 11: Toxicological information**General information** Not available.**11.1. Information on toxicological effects****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.**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 |
|----------------|----------------|---------------------|
|----------------|----------------|---------------------|

CD406 Series

Acute*Oral*

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 |
| <i>Other</i> | | |
| LD50 | Mouse | 754 mg/kg |
| Mixture versus substance information | Not available. | |
| Other information | Complete toxicity data are not available for this specific formulation | |

SECTION 12: Ecological information

12.1. Toxicity

| 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 |
| 12.2. Persistence and degradability | Not available. | |
| 12.3. Bioaccumulative potential | Not available. | |
| Partition coefficient n-octanol/water (log Kow) | | |
| Ethylacetate | 0.73 | |
| Bioconcentration factor (BCF) | Not available. | |
| 12.4. Mobility in soil | Not available. | |
| 12.5. Results of PBT and vPvB assessment | Not a PBT or vPvB substance or mixture. | |
| 12.6. Other adverse effects | Not available. | |

SECTION 13: Disposal considerations

13.1. Waste treatment methods

| | |
|-------------------------------|----------------|
| Residual waste | Not available. |
| Contaminated packaging | Not available. |
| EU waste code | Not available. |

Disposal methods/information

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.

SECTION 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.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulations

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I

Not listed.

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex II

Not listed.

Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 1 as amended

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 2 as amended

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 3 as amended

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex V as amended

Not listed.

Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry

Not listed.

Regulation (EC) No. 1907/2006, REACH Article 59(1) Candidate List as currently published by ECHA

Not listed.

Authorizations

Regulation (EC) No. 143/2011 Annex XIV Substances Subject to Authorization

Not listed.

Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended

Not listed.

Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work

Not regulated.

Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breastfeeding

Not regulated.

Other EU regulations

Directive 96/82/EC (Seveso II) on the control of major-accident hazards involving dangerous substances

Not regulated.

Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Ethylacetate (CAS 141-78-6)

Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)

Directive 94/33/EC on the protection of young people at work

Not regulated.

National regulations

Not available.

15.2. Chemical safety assessment

See attached SUMI or GEIS document, if applicable.

SECTION 16: Other information

References

Not available.

Information on evaluation method leading to the classification of mixture

Not available.

Issue date

14-Aug-2016

Revision information

Product and Company Identification: Synonyms
Composition/Information on Ingredients
Fire Fighting Measures: Fire & Explosion Properties
8. Exposure Controls / Personal Protection: OELs
Physical & Chemical Properties: Physical & Chemical Properties
14. Transport Information: Material Transportation Information
Regulatory Information: Safety Phrases
HazReg Data: Pacific Rim

Training information

Not available.

Disclaimer

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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 |
| List of abbreviations | Not available. |

Safe Use of Mixture Information (SUMI)

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Solvent based inks: SB01 *English*

Disclaimer

This SUMI is a generic document for communicating conditions of safe use of a product in response to the REACH obligation. This document relates only to conditions of safe use and is not specific to a product. By adding this SUMI to a specific product SDS, the importer/formulator declares that the mixture can safely be used following the instructions below. Following occupational health legislation, the employer of workers remains responsible for communicating relevant use information to employees. When developing workplace instructions for employees, SUMI Sheets should always be considered in combination with the SDS and the label of the product. Derived No Effect Levels (DNEL) and Predicted No Effect Concentration (PNEC) values of substances derived from the Chemical Safety Assessment (CSA) will be given in section 8 of the SDS.

The REACH registration number(s), where applicable, completes an extended product SDS.

Operational conditions

Maximum duration Up to 8 hours per day

Frequency of exposure < 240 days per year

Process conditions

- Covers use at ambient temperatures.
- Use of an integrated local exhaust ventilation is required in drying zone.
- Adequate ventilation should be provide for the areas where printing is performed. ANSI/ASHRAE Standard 62.1-2013 provides guidelines to ensure acceptable air quality in the workspace.
- Use explosion proof electrical equipment.
- Keep emissions below the occupational exposure limits of the ingredients specified in section 8 of the SDS.
- Avoid direct contact.
- Regular cleaning of equipment and work area.
- Supervision in place to check that Risk Management Measures are in place are being correctly used and Operational Conditions followed.

Risk management measures

Conditions and measures related to Personal Protection Equipment, hygiene and health evaluation

- Wear safety glasses with side shields (or goggles), if splashing is possible.
- Wear appropriate chemical resistant gloves: see section 8 of the SDS.
- Wear appropriate chemical resistant clothing.
- In case of inadequate ventilation wear respiratory protection.
- Eye wash fountain and emergency showers are recommended.
- Avoid breathing mist/vapours.
- Avoid contact with skin, eyes and clothing.
- Training of workers in relation to proper use and maintenance of all Personal protection equipment (PPE) must be ensured.



Good practice advice

- Use personal protective equipment as required.
- Wash hands before breaks and after work.
- Keep good industrial hygiene and safety practice.
- Use only with adequate ventilation.
- Do no eat, drink or smoke when using this product.
- Wash contaminated clothing before reuse.
- Keep away from heat/sparks/open flames/hot surfaces. — No smoking.
- Store in a well-ventilated place.
- Keep container tightly closed.
- Store at room temperature.



Environmental measures

- 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 appropriately licenced waste contractor.

Use descriptors

IS-Use at industrial sites

PW-Widespread use by professional workers

SU7-Printing and reproduction media

PC18-Inks and Toners

PROC1-Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions.

PROC2-Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions

PROC3- Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition

PROC8a-Transfer of substance or mixture (charging and discharging) at non-dedicated facilities

PROC8b-Transfer of substance or mixture (charging and discharging) at dedicated facilities

ERC5-Use at industrial site leading to inclusion into/onto article

ERC8c-Widespread use leading to inclusion into/onto article (indoor)

Additional information on product composition

In section 2 of the SDS as well as on the label, the classification of the mixture is provided.

The classification of the mixture is based on the individual ingredients and their concentration within the mixture.

All ingredients contributing to the classification are stated in Section 3 of the SDS.

Relevant limit values of ingredients on which the exposure assessment is based, are listed in section 8 of the SDS.

The product may contain sensitizing ingredients that may cause allergic reaction to certain people.

Section 2 of the SDS states these ingredients where applicable.