



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 CD405 Series
Registration number -
Synonyms HP DS100 Specialty Textile Light Yellow Scitex Ink
Issue date 16-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 Nederland B.V.
P.O. Box 667, 1180 AR
Amstelveen, Netherlands 1187 XR
Telephone +31-20-721-3400

HP Inc. health effects line
(Toll-free within the US) 1-800-457-4209

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: Ethylene Glycol, Monobutyl Ether Acetate

Hazard pictograms



Signal word Warning

Hazard statements

H312 Harmful in contact with skin.

Precautionary statements

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.

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 | <100 | 112-07-2 203-933-3 | 01-2119475112-47-XXXX | 607-038-00-2 | # |
| Classification: | Acute Tox. 4;H302, Acute Tox. 4;H312 | | | | |

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

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/m ³ |
| | TWA | 50 ppm |
| | | 133 mg/m ³ |
| | | 20 ppm |

Netherlands. OELs (binding)

| Components | Type | Value |
|---|------|-----------------------|
| Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2) | STEL | 333 mg/m ³ |
| | TWA | 135 mg/m ³ |

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 |
|---|-----------|------------|-----------------------|---------------------------|
| 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/m ³ | Systemic long term |
| | | Inhalation | 200 mg/m ³ | 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 |
| | | 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 |
|---|----------------|--------------|-------------|------------------------|
| 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.

Netherlands OELs (binding): 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 Light yellow.
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.
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 | Based on available data, the classification criteria are not met. |
| 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 |
|---|--|--------------|
| CD405 Series | | |
| Acute | | |
| <i>Oral</i> | | |
| LD50 | Rat | 2400 mg/kg |
| Components | Species | Test Results |
| 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 | No toxicity data noted for the ingredient(s). |
| 12.2. Persistence and degradability | Not available. |
| 12.3. Bioaccumulative potential | Not available. |
| 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

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

16-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: Europe - EU

Training information

Not available.

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.

Manufacturer information

HP Inc.
1501 Page Mill Road
Palo Alto, CA 94304-1112 US
(Direct) +972 (9) 892-4628

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

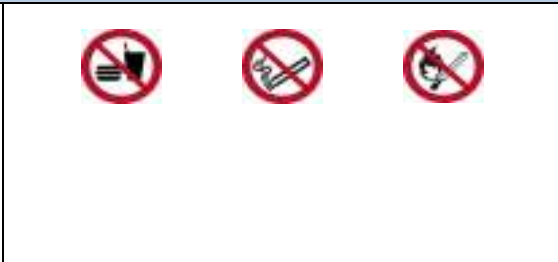
| | |
|------------------------------|--|
| Maximum duration | Up to 8 hours per day |
| Frequency of exposure | < 240 days per year |
| Process conditions | <p>Covers use at ambient temperatures.</p> <p>Use of an integrated local exhaust ventilation is required in drying zone.</p> <p>Adequate ventilation 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.</p> <p>Use explosion proof electrical equipment.</p> <p>Keep emissions below the occupational exposure limits of the ingredients specified in section 8 of the SDS.</p> <p>Avoid direct contact.</p> <p>Regular cleaning of equipment and work area.</p> <p>Supervision in place to check that Risk Management Measures are in place are being correctly used and Operational Conditions followed.</p> |

Risk management measures

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

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 |
| <p>PROC1-Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions.</p> <p>PROC2-Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions</p> <p>PROC3- Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition</p> <p>PROC8a-Transfer of substance or mixture (charging and discharging) at non-dedicated facilities</p> <p>PROC8b-Transfer of substance or mixture (charging and discharging) at dedicated facilities</p> <p>ERC5-Use at industrial site leading to inclusion into/onto article</p> <p>ERC8c-Widespread use leading to inclusion into/onto article (indoor)</p> |

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.