



# 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** CD401 Series  
**Registration number** -  
**Synonyms** HP DS100 Specialty Textile 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 Deutschland GmbH  
Schickardstrasse 32, Geb. Businesspark, Boeblingen B01 (SUO07) - 1st Floor Eingang A  
Boeblingen  
Germany 71034

HP Inc. health effect line  
(Toll-free within US) 1-800-457-4209  
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HP Inc. Customer Care Line  
(Toll-free within the US) 1-800-474-6836  
(Direct) 1-208-323-2551  
Email: hpcustomer.inquiries@hp.com

## 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:** Ethylacetate, 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	<90	112-07-2 203-933-3	01-2119475112-47-XXXX	607-038-00-2	#
<b>Classification:</b>	Acute Tox. 4;H302, Acute Tox. 4;H312				
Ethylacetate	<2.5	141-78-6 205-500-4	-	607-022-00-5	
<b>Classification:</b>	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** CO<sub>2</sub>, 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

##### Austria. MAK List, OEL Ordinance (GwV), BGBl. II, no. 184/2001

Components	Type	Value
Ethylacetate (CAS 141-78-6)	Ceiling	2100 mg/m <sup>3</sup> 600 ppm
	MAK	1050 mg/m <sup>3</sup> 300 ppm
Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)	MAK	133 mg/m <sup>3</sup>
	STEL	20 ppm 270 mg/m <sup>3</sup> 40 ppm

##### Belgium. Exposure Limit Values.

Components	Type	Value
Ethylacetate (CAS 141-78-6)	TWA	1461 mg/m <sup>3</sup> 400 ppm
	STEL	333 mg/m <sup>3</sup>
Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)	TWA	50 ppm 133 mg/m <sup>3</sup> 20 ppm

##### Bulgaria. OELs. Regulation No 13 on protection of workers against risks of exposure to chemical agents at work

Components	Type	Value
Ethylacetate (CAS 141-78-6)	TWA	800 mg/m <sup>3</sup>
	STEL	333 mg/m <sup>3</sup>
Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)	TWA	50 ppm 133 mg/m <sup>3</sup> 20 ppm

##### Croatia. Dangerous Substance Exposure Limit Values in the Workplace (ELVs), Annexes 1 and 2, Narodne Novine, 13/09

Components	Type	Value
Ethylacetate (CAS 141-78-6)	MAC	200 ppm
	STEL	400 ppm
Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)	MAC	133 mg/m <sup>3</sup>
	STEL	20 ppm 333 mg/m <sup>3</sup> 50 ppm

##### Cyprus. OELs. Control of factory atmosphere and dangerous substances in factories regulation, PI 311/73, as amended.

Components	Type	Value
Ethylacetate (CAS 141-78-6)	TWA	1400 mg/m <sup>3</sup> 400 ppm

**Czech Republic. OELs. Government Decree 361**

Components	Type	Value
Ethylacetate (CAS 141-78-6)	Ceiling	900 mg/m3
	TWA	700 mg/m3
Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)	Ceiling	300 mg/m3
	TWA	130 mg/m3

**Denmark. Exposure Limit Values Components**

Components	Type	Value
Ethylacetate (CAS 141-78-6)	TLV	540 mg/m3
		150 ppm
Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)	TLV	134 mg/m3
		20 ppm

**Estonia. OELs. Occupational Exposure Limits of Hazardous Substances. (Annex of Regulation No. 293 of 18 September 2001)**

Components	Type	Value
Ethylacetate (CAS 141-78-6)	STEL	1100 mg/m3
		300 ppm
	TWA	500 mg/m3
Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)	STEL	150 ppm
		333 mg/m3
	TWA	50 ppm
		133 mg/m3
		20 ppm

**Finland. Workplace Exposure Limits Components**

Components	Type	Value
Ethylacetate (CAS 141-78-6)	STEL	1800 mg/m3
		500 ppm
	TWA	1100 mg/m3
Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)	STEL	300 ppm
		330 mg/m3
	TWA	50 ppm
		130 mg/m3
		20 ppm

**France. Threshold Limit Values (VLEP) for Occupational Exposure to Chemicals in France, INRS ED 984 Components**

Components	Type	Value
Ethylacetate (CAS 141-78-6)	VME	1400 mg/m3
		400 ppm
Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)	VLE	333 mg/m3
		50 ppm
	VME	66.5 mg/m3
		10 ppm

**Germany. DFG MAK List (advisory OELs). Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area (DFG)**

Components	Type	Value
Ethylacetate (CAS 141-78-6)	TWA	1500 mg/m3
		400 ppm
Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)	TWA	66 mg/m3
		10 ppm

**Germany. TRGS 900, Limit Values in the Ambient Air at the Workplace Components**

Components	Type	Value	Form
Ethylacetate (CAS 141-78-6)	AGW	1500 mg/m <sup>3</sup> 400 ppm	
Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)	AGW	130 mg/m <sup>3</sup>	Vapor and aerosol.
		20 ppm	Vapor and aerosol.

**Hungary. OELs. Joint Decree on Chemical Safety of Workplaces Components**

Components	Type	Value
Ethylacetate (CAS 141-78-6)	STEL	1400 mg/m <sup>3</sup>
	TWA	1400 mg/m <sup>3</sup>
Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)	STEL	333 mg/m <sup>3</sup>
	TWA	133 mg/m <sup>3</sup>

**Iceland. OELs. Regulation 154/1999 on occupational exposure limits Components**

Components	Type	Value
Ethylacetate (CAS 141-78-6)	TWA	540 mg/m <sup>3</sup> 150 ppm
Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)	STEL	333 mg/m <sup>3</sup>
	TWA	50 ppm 133 mg/m <sup>3</sup> 20 ppm

**Ireland. Occupational Exposure Limits Components**

Components	Type	Value
Ethylacetate (CAS 141-78-6)	STEL	400 ppm
	TWA	200 ppm
Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)	STEL	333 mg/m <sup>3</sup>
	TWA	50 ppm 133 mg/m <sup>3</sup> 20 ppm

**Italy. Occupational Exposure Limits Components**

Components	Type	Value
Ethylacetate (CAS 141-78-6)	TWA	400 ppm
Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)	STEL	333 mg/m <sup>3</sup>
	TWA	50 ppm 133 mg/m <sup>3</sup> 20 ppm

**Latvia. OELs. Occupational exposure limit values of chemical substances in work environment Components**

Components	Type	Value
Ethylacetate (CAS 141-78-6)	TWA	200 mg/m <sup>3</sup>
Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)	STEL	333 mg/m <sup>3</sup>
	TWA	50 ppm 133 mg/m <sup>3</sup> 20 ppm

**Lithuania. OELs. Limit Values for Chemical Substances, General Requirements Components**

Components	Type	Value
Ethylacetate (CAS 141-78-6)	Ceiling	1100 mg/m <sup>3</sup> 300 ppm
	TWA	500 mg/m <sup>3</sup> 150 ppm

**Lithuania. OELs. Limit Values for Chemical Substances, General Requirements**

Components	Type	Value
Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)	STEL	140 mg/m <sup>3</sup>
	TWA	20 ppm 70 mg/m <sup>3</sup> 10 ppm

**Luxembourg. Binding Occupational exposure limit values (Annex I), Memorial A**

Components	Type	Value
Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)	STEL	333 mg/m <sup>3</sup>
	TWA	50 ppm 133 mg/m <sup>3</sup> 20 ppm

**Malta. OELs. Occupational Exposure Limit Values (L.N. 227. of Occupational Health and Safety Authority Act (CAP. 424), Schedules I and V)**

Components	Type	Value
Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)	STEL	333 mg/m <sup>3</sup>
	TWA	50 ppm 133 mg/m <sup>3</sup> 20 ppm

**Netherlands. OELs (binding)**

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

**Norway. Administrative Norms for Contaminants in the Workplace**

Components	Type	Value
Ethylacetate (CAS 141-78-6)	TLV	550 mg/m <sup>3</sup> 150 ppm
	TLV	65 mg/m <sup>3</sup>
Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)		10 ppm

**Poland. MACs. Minister of Labour and Social Policy Regarding Maximum Allowable Concentrations and Intensities in Working Environment**

Components	Type	Value
Ethylacetate (CAS 141-78-6)	STEL	600 mg/m <sup>3</sup>
	TWA	200 mg/m <sup>3</sup>
Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)	STEL	300 mg/m <sup>3</sup>
	TWA	100 mg/m <sup>3</sup>

**Portugal. OELs. Decree-Law n. 290/2001 (Journal of the Republic - 1 Series A, n.266)**

Components	Type	Value
Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)	STEL	333 mg/m <sup>3</sup>
	TWA	50 ppm 133 mg/m <sup>3</sup> 20 ppm

**Portugal. VLEs. Norm on occupational exposure to chemical agents (NP 1796)**

Components	Type	Value
Ethylacetate (CAS 141-78-6)	TWA	400 ppm

**Portugal. VLEs. Norm on occupational exposure to chemical agents (NP 1796)**

Components	Type	Value
Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)	TWA	20 ppm

**Romania. OELs. Protection of workers from exposure to chemical agents at the workplace**

Components	Type	Value
Ethylacetate (CAS 141-78-6)	STEL	500 mg/m3 139 ppm
	TWA	400 mg/m3 111 ppm
	STEL	333 mg/m3
Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)	TWA	50 ppm 133 mg/m3 20 ppm

**Slovakia. OELs. Regulation No. 300/2007 concerning protection of health in work with chemical agents**

Components	Type	Value
Ethylacetate (CAS 141-78-6)	STEL	1100 mg/m3 300 ppm
	TWA	500 mg/m3 150 ppm
	STEL	333 mg/m3
Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)	TWA	50 ppm 133 mg/m3 20 ppm

**Slovenia. OELs. Regulations concerning protection of workers against risks due to exposure to chemicals while working (Official Gazette of the Republic of Slovenia)**

Components	Type	Value
Ethylacetate (CAS 141-78-6)	TWA	1400 mg/m3 400 ppm
	TWA	133 mg/m3
Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)	TWA	20 ppm

**Spain. Occupational Exposure Limits**

Components	Type	Value
Ethylacetate (CAS 141-78-6)	TWA	1460 mg/m3 400 ppm
	STEL	333 mg/m3
Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)	TWA	50 ppm 133 mg/m3 20 ppm

**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)	TWA	20 ppm 70 mg/m3 10 ppm

**Switzerland. SUVA Grenzwerte am Arbeitsplatz**

Components	Type	Value
Ethylacetate (CAS 141-78-6)	STEL	2800 mg/m <sup>3</sup> 800 ppm
	TWA	1400 mg/m <sup>3</sup> 400 ppm
Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)	STEL	132 mg/m <sup>3</sup>
	TWA	20 ppm 66 mg/m <sup>3</sup> 10 ppm

**UK. EH40 Workplace Exposure Limits (WELs)**

Components	Type	Value
Ethylacetate (CAS 141-78-6)	STEL	400 ppm
	TWA	200 ppm
Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)	STEL	332 mg/m <sup>3</sup>
	TWA	50 ppm 133 mg/m <sup>3</sup> 20 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/m <sup>3</sup>
	TWA	50 ppm 133 mg/m <sup>3</sup> 20 ppm

**Biological limit values****Czech Republic. Limit Values for Indicators of Biological Exposure Tests in Urine and Blood, Annex 2, Tables 1 and 2, Government Decree 432/2003 Sb.**

Components	Value	Determinant	Specimen	Sampling Time
Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)	200 mg/g	Butoxyacetic acid (with hydrolysis)	Creatinine in urine	*
	0.17 mmol/mmol	Butoxyacetic acid (with hydrolysis)	Creatinine in urine	*

\* - For sampling details, please see the source document.

**Germany. TRGS 903, BAT List (Biological Limit Values)**

Components	Value	Determinant	Specimen	Sampling Time
Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)	100 mg/l	Butoxyessigsäure	Urine	*

\* - For sampling details, please see the source document.

**Switzerland. BAT-Werte (Biological Limit Values in the Workplace as per SUVA)**

Components	Value	Determinant	Specimen	Sampling Time
Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)	200 mg/l	Gesamt-Butoxyessigsäure	Urine	*
	100 mg/l	Butoxyessigsäure	Urine	*

\* - For sampling details, please see the source document.

**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/m <sup>3</sup>	Local long term



Components	Type	Route	Value	Form
Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)	Consumers	Inhalation	734 mg/m <sup>3</sup>	Systemic long term
		Inhalation	1468 mg/m <sup>3</sup>	Local short term
		Inhalation	1468 mg/m <sup>3</sup>	Systemic short term
		Dermal	72 mg/kg bw/d	Systemic acute short term
	Workers	Dermal	102 mg/kg bw/d	Systemic long term
		Inhalation	80 mg/m <sup>3</sup>	Systemic long term
		Inhalation	200 mg/m <sup>3</sup>	Local acute short term
		Oral	8.6 mg/kg bw/d	Systemic long term
		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 <sup>3</sup>	Local acute short term
		Inhalation	133 mg/m <sup>3</sup>	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
		Freshwater	0.304 mg/l	
Ethylene Glycol, Monobutyl Ether Acetate (CAS 112-07-2)	Not applicable	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.

#### EU Exposure 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.

<b>Form</b>	Not available.
<b>Color</b>	Yellow
<b>Odor</b>	Not available.
<b>Odor threshold</b>	Not available.
<b>pH</b>	Not applicable.
<b>Melting point/freezing point</b>	Not determined.
<b>Initial boiling point and boiling range</b>	Not determined.
<b>Flash point</b>	> 145.0 °F (> 62.8 °C) (Closed Cup)
<b>Evaporation rate</b>	Not determined.
<b>Flammability (solid, gas)</b>	Not available.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	Not available.
<b>Flammability limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	Not determined.
<b>Vapor density</b>	Not available.
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Not available.
<b>Solubility (other)</b>	Not available.
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Explosive properties</b>	Not available.
<b>Oxidizing properties</b>	Not available.
<b>9.2. Other information</b>	
<b>Specific gravity</b>	0.94 @ 20 Degrees C
<b>VOC (Weight %)</b>	< 850 g/L

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## SECTION 10: Stability and reactivity

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

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## SECTION 11: Toxicological information

<b>General information</b>	Not available.
<b>11.1. Information on toxicological effects</b>	
<b>Acute toxicity</b>	Harmful in contact with skin.

<b>Product</b>	<b>Species</b>	<b>Test Results</b>
CD401 Series		
<b>Acute</b>		
<i>Oral</i>		
LD50	Rat	2400 mg/kg

Components	Species	Test Results
Ethylacetate (CAS 141-78-6)		
<b>Acute</b>		
<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)

<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	1500 mg/kg
<i>Oral</i>		
LD50	Rat	2400 mg/kg
<i>Other</i>		
LD50	Mouse	754 mg/kg

<b>Skin corrosion/irritation</b>	Based on available data, the classification criteria are not met.
<b>Serious eye damage/eye irritation</b>	Based on available data, the classification criteria are not met.
<b>Respiratory sensitization</b>	Based on available data, the classification criteria are not met.
<b>Skin sensitization</b>	Based on available data, the classification criteria are not met.
<b>Germ cell mutagenicity</b>	Based on available data, the classification criteria are not met.
<b>Carcinogenicity</b>	Based on available data, the classification criteria are not met.
<b>Reproductive toxicity</b>	Based on available data, the classification criteria are not met.
<b>Specific target organ toxicity - single exposure</b>	Based on available data, the classification criteria are not met.
<b>Specific target organ toxicity - repeated exposure</b>	Based on available data, the classification criteria are not met.
<b>Aspiration hazard</b>	Based on available data, the classification criteria are not met.
<b>Other information</b>	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)		
<b>Aquatic</b>		
Fish	LC50	Indian catfish ( <i>Heteropneustes fossilis</i> ) 200.32 - 225.42 mg/l, 96 hours
<b>12.2. Persistence and degradability</b>	Not available.	
<b>12.3. Bioaccumulative potential</b>	Not available.	
<b>Partition coefficient n-octanol/water (log Kow)</b>		
Ethylacetate		0.73
<b>Bioconcentration factor (BCF)</b>	Not available.	
<b>12.4. Mobility in soil</b>	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.

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## 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.

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## 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.

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## 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.

### Other information

Specific Provisions: Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC (in the amended version OJ L 396 from 29.05.2007 page 3 with further rectifications and amendments).

### National regulations

Not available.

### 15.2. Chemical safety assessment

See attached SUMI or GEIS document, if applicable.

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## 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

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

### 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.

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## Explanation of abbreviations

<b>ACGIH</b>	American Conference of Governmental Industrial Hygienists
<b>CAS</b>	Chemical Abstracts Service
<b>CERCLA</b>	Comprehensive Environmental Response Compensation and Liability Act
<b>CFR</b>	Code of Federal Regulations
<b>COC</b>	Cleveland Open Cup
<b>DOT</b>	Department of Transportation
<b>EPCRA</b>	Emergency Planning and Community Right-to-Know Act (aka SARA)
<b>IARC</b>	International Agency for Research on Cancer
<b>NIOSH</b>	National Institute for Occupational Safety and Health
<b>NTP</b>	National Toxicology Program
<b>OSHA</b>	Occupational Safety and Health Administration
<b>PEL</b>	Permissible Exposure Limit
<b>RCRA</b>	Resource Conservation and Recovery Act
<b>REC</b>	Recommended
<b>REL</b>	Recommended Exposure Limit
<b>SARA</b>	Superfund Amendments and Reauthorization Act of 1986
<b>STEL</b>	Short-Term Exposure Limit
<b>TCLP</b>	Toxicity Characteristics Leaching Procedure
<b>TLV</b>	Threshold Limit Value
<b>TSCA</b>	Toxic Substances Control Act
<b>VOC</b>	Volatile Organic Compounds
<b>List of abbreviations</b>	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.