



# 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** CN895Series  
**Registration number** -  
**Synonyms** HP XP210 Yellow Scitex ink  
**Issue date** 06-Sep-2013  
**Version number** 03  
**Revision date** 13-Aug-2016  
**Supersedes date** 09-Dec-2013

### 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** Hewlett-Packard Europe B.V.  
Startbaan 16, building left wing  
Amstelveen, Netherlands 1187 XR  
Telephone +372 6 813820  
  
HP Inc. health effects line  
(Toll-free within the US) 1-800-457-4209  
(Direct) 1-760-710-0048  
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

#### Health hazards

Skin corrosion/irritation Category 2  
Serious eye damage/eye irritation Category 2  
Skin sensitization Category 1

#### Environmental hazards

Hazardous to the aquatic environment,  
long-term aquatic hazard Category 3

### 2.2. Label elements

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

**Contains:** 1-vinylhexahydro-2H-azepin-2-one, 2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone, Diphenyl (2,4,6-trimethylbenzoyl) phosphine oxide, multifunctional acrylate, Poly (ethylene glycol) diacrylate, Tridecyl acrylate

**Hazard pictograms** None.

**Signal word** None.

**Hazard statements** The mixture does not meet the criteria for classification.

#### Precautionary statements

**Prevention** Not available.

**Response** Not available.

**Storage** Not available.

**Disposal** Not available.

**Supplemental label information** None.

**2.3. Other hazards** Diphenyl (2,4,6-trimethylbenzoyl) phosphineoxide - In animal testing, risk of impaired fertility was shown only after repeated ingestion of very high doses of this substance.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
multifunctional acrylate	25 - 40	Proprietary	-	-	
<b>Classification:</b>	-				
1-vinylhexahydro-2H-azepin-2-one	10 - 25	2235-00-9 218-787-6	-	-	
<b>Classification:</b>	Acute Tox. 4;H302, Acute Tox. 4;H312, Skin Sens. 1B;H317, Eye Irrit. 2;H319, STOT RE 1;H372				
Tridecyl acrylate	10 - 25	3076-04-8 221-351-8	-	-	
<b>Classification:</b>	Skin Irrit. 2;H315, Eye Irrit. 2;H319, STOT SE 3;H335, Aquatic Chronic 2;H411				
Diphenyl (2,4,6-trimethylbenzoyl) phosphine oxide	2.5 - 5	75980-60-8 278-355-8	-	015-203-00-X	
<b>Classification:</b>	Skin Sens. 1B;H317, Repr. 2;H361f, Aquatic Chronic 2;H411				
Poly (ethylene glycol) diacrylate	2.5 - 5	26570-48-9	-	-	
<b>Classification:</b>	Skin Irrit. 2;H315, Eye Irrit. 2;H319				
2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	< 1	119313-12-1 404-360-3	-	606-047-00-9	
<b>Classification:</b>	Repr. 2;H361d, Aquatic Acute 1;H400, Aquatic Chronic 1;H410				

## SECTION 4: First aid measures

**General information** Not available.

### 4.1. Description of first aid measures

<b>Inhalation</b>	Move to fresh air. Keep victim warm. If symptoms persist, get medical attention.
<b>Skin contact</b>	Remove contaminated clothing. Wash affected area with mild soap and water. Do not use solvents to remove product residues from skin. If irritation persists get medical attention.
<b>Eye contact</b>	Do not rub eyes. Remove contact lenses, if present and easy to do. Immediately flush with large amounts of clean, warm water (low pressure) for at least 15 minutes or until particles are removed. If irritation persists get medical attention.
<b>Ingestion</b>	If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting.

**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** Not available.

## SECTION 5: Firefighting measures

**General fire hazards** Not available.

### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	Dry chemical, foam, carbon dioxide, water fog.
<b>Unsuitable extinguishing media</b>	Do not use water jet.

<b>5.2. Special hazards arising from the substance or mixture</b>	Fire will produce dense black smoke containing hazardous combustion products (see section 10).
<b>5.3. Advice for firefighters</b>	
<b>Special protective equipment for firefighters</b>	Avoid runoff into storm sewers and ditches which lead to waterways.
<b>Special fire fighting procedures</b>	Not available.

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## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

<b>For non-emergency personnel</b>	Remove all sources of ignition. Ensure adequate ventilation. Avoid inhalation of vapors or mists. Wear appropriate personal protective equipment.
<b>For emergency responders</b>	Not available.

### 6.2. Environmental precautions

Do not let product enter drains. Do not flush into surface water or sanitary sewer system.

### 6.3. Methods and material for containment and cleaning up

Clean with detergents. Avoid solvents.

### 6.4. Reference to other sections

Not available.

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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Vapors are heavier than air and may spread along floors. Vapors may form explosive mixtures with air. Prevent the creation of flammable or explosive concentrations of vapor in air and avoid vapor concentration higher than the occupational exposure limits.

The product should only be used in areas from which all naked lights and other sources of ignitor have been excluded. Electrical equipment should be protected to the appropriate standard.

Take precautionary measures against static discharges. Ground and bond containers when transferring material. Wear shoes with conductive soles.

Keep container closed. Keep away from heat, sparks and open flame - No smoking. Use non-sparking tools when opening or closing containers.

Avoid contact with skin, eyes and clothing. Do not breathe gas/fumes/vapor/spray. Avoid breathing dusts from this material.

Do not use pressure to empty drums.

Wash hands before eating.

Do not empty into drains.

### 7.2. Conditions for safe storage, including any incompatibilities

Keep at temperatures between 5 and 35°C.

Store in accordance with local/regional/national/international regulation.

Keep in cool, well-ventilated place away from ignition sources, oxidizing agents, strong alkalis, and strong acids.

Store in a closed container away from incompatible materials. Store in upright position only. Store in a place accessible by authorized persons only.

### 7.3. Specific end use(s)

Not available.

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## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

<b>Occupational exposure limits</b>	No exposure limits noted for ingredient(s).
<b>Biological limit values</b>	No biological exposure limits noted for the ingredient(s).
<b>Recommended monitoring procedures</b>	Not available.

## Derived no-effect level (DNEL)

Components	Type	Route	Value	Form
1-vinylhexahydro-2H-azepin-2-one (CAS 2235-00-9)	Workers	Dermal	0.7 mg/kg	Systemic long term
		Inhalation	4.9 mg/m <sup>3</sup>	Systemic long term
		Inhalation	0.17 mg/m <sup>3</sup>	Local long term
2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone (CAS 119313-12-1)	Workers	Dermal	5 mg/kg	Local short term
		Dermal	1 mg/kg	Local long term
		Dermal	0.23 mg/kg	systemic short term
		Dermal	0.17 mg/kg	Systemic long term
		Inhalation	5 mg/m <sup>3</sup>	Local short term
		Inhalation	1.65 mg/m <sup>3</sup>	systemic short term
		Inhalation	1 mg/m <sup>3</sup>	Local long term
Inhalation	0.17 mg/m <sup>3</sup>	systemic long term		

## Predicted no effect concentrations (PNECs)

Components	Type	Route	Value	Form
1-vinylhexahydro-2H-azepin-2-one (CAS 2235-00-9)	Not applicable	Freshwater	0.1 mg/l	
		Intermittant	1 mg/l	Releases
		Marine water	0.01 mg/l	
		Sediment	0.829 mg/kg	Freshwater
		Sediment	0.0829 mg/kg	Marine water
		Soil	0.107 mg/kg	
		STP	262 mg/l	Sewage Treatment Plant
2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone (CAS 119313-12-1)	Not applicable	Freshwater	0.0005 mg/l	
		Intermittant	0.005 mg/l	Releases
		Marine water	0.00005 mg/l	
		Sediment	0.0005 mg/kg	Freshwater
		Sediment	0.00015 mg/kg	Marine water
		Soil	0.0026 mg/kg	
		STP	0.59 mg/l	Sewage Treatment Plant

**Exposure guidelines** None established.

### 8.2. Exposure controls

#### Appropriate engineering controls

Use in a well ventilated area. 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

Wear safety glasses; chemical goggles (if splashing is possible).

##### Skin protection

##### - Hand protection

Wear appropriate chemical resistant gloves.

##### - Other

Use personal protective equipment to minimize exposure to skin and eye. Use impervious gloves.

##### Respiratory protection

A NIOSH- approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Use a positive-pressure air-supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air-purifying respirators may not provide adequate protection.

##### Thermal hazards

Not available.

##### Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Launder contaminated clothing before reuse. Keep away from food and drink.

##### Environmental exposure controls

Not available.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### Appearance

**Physical state** Liquid.

<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>	Not available.
<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>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>VOC (Weight %)</b>	< 95 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 under recommended storage conditions.
<b>10.3. Possibility of hazardous reactions</b>	Not available.
<b>10.4. Conditions to avoid</b>	Not available.
<b>10.5. Incompatible materials</b>	Strong acids, alkalis and oxidizing agents. Strong acids and strong alkalis. oxidizing agents
<b>10.6. Hazardous decomposition products</b>	Nitrogen oxides (NOx),, smoke, Carbon monoxide and carbon dioxide.

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## SECTION 11: Toxicological information

<b>General information</b>	Complete toxicity data are not available for this specific formulation
<b>11.1. Information on toxicological effects</b>	
<b>Acute toxicity</b>	No data available.
<b>Skin corrosion/irritation</b>	Not available.
<b>Serious eye damage/eye irritation</b>	Not available.
<b>Respiratory sensitization</b>	Not available.
<b>Skin sensitization</b>	Not available.
<b>Germ cell mutagenicity</b>	Not available.
<b>Carcinogenicity</b>	Not available.
<b>Reproductive toxicity</b>	Not available.
<b>Specific target organ toxicity - single exposure</b>	Not available.
<b>Specific target organ toxicity - repeated exposure</b>	Not available.
<b>Aspiration hazard</b>	Not available.

<b>Mixture versus substance information</b>	Not available.
<b>Other information</b>	Complete toxicity data are not available for this specific formulation

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## SECTION 12: Ecological information

<b>Aquatic toxicity</b>	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
<b>12.1. Toxicity</b>	No toxicity data noted for the ingredient(s).
<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>	Not available.
<b>Bioconcentration factor (BCF)</b>	Not available.
<b>12.4. Mobility in soil</b>	Not available.
<b>12.5. Results of PBT and vPvB assessment</b>	Not a PBT or vPvB substance or mixture.
<b>12.6. Other adverse effects</b>	Not available.

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## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

<b>Residual waste</b>	Not available.
<b>Contaminated packaging</b>	Not available.
<b>EU waste code</b>	Not available.
<b>Disposal methods/information</b>	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

<b>Further information</b>	Not a dangerous good under DOT, IATA, ADR, IMDG, or RID.
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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**

Diphenyl (2,4,6-trimethylbenzoyl) phosphine oxide (CAS 75980-60-8)

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

Not regulated.

**Other regulations**

Notified according to EU Regulations.

**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**

06-Sep-2013

**Revision information**

SECTION 16: Other information: Disclaimer

**Training information**

Not available.

**Disclaimer**

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**Manufacturer information**

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

## 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



# Safe Use of Mixture Information (SUMI)

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## UV digital printing inks: UV01 \*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

<b>Maximum duration</b>	Up to 8 hours per day
<b>Frequency of exposure</b>	< 240 days per year
<b>Process conditions</b>	Covers use at ambient temperatures. 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. 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 foll

### 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.  
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.  
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.

The product is classified as toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.