



# 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** CP530Series  
**Registration number** -  
**Synonyms** HP FB225 WHITE SCITEX INK  
**Issue date** 17-Sep-2013  
**Version number** 03  
**Revision date** 10-Apr-2016  
**Supersedes date** 29-Nov-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

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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

#### Health hazards

Acute toxicity, oral	Category 4
Skin corrosion/irritation	Category 1B
Serious eye damage/eye irritation	Category 1
Carcinogenicity	Category 2
Specific target organ toxicity - single exposure	Category 3 respiratory tract irritation

#### Environmental hazards

Hazardous to the aquatic environment, long-term aquatic hazard	Category 3
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### 2.2. Label elements

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

**Contains:** 2-Propenoic acid, (2,4,6-trioxo-1,3,5-triazine-1,3,5-(2H,4H,6H)-triylo)tri-2,1-ethanediyl ester, Aliphatic Urethane Acrylate, Diphenyl (2,4,6 - trimethylbenzoyl) phosphine, Glycerol, propoxylated, esters with acrylic acid, Propiophenone derivative, Tetrahydrofurfuryl Acrylate, Titanium dioxide pigment blend, Vinyl caprolactam (VCAP), Vinylester resin

**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.

<b>Storage</b>	Not available.
<b>Disposal</b>	Not available.
<b>Supplemental label information</b>	Contains Glycerolpropoxytriacylate. May produce an allergic reaction.

### 2.3. Other hazards

Titanium dioxide is classified by IARC as a Group 2B carcinogen, meaning there is inadequate evidence in humans for the carcinogenicity of titanium dioxide, but there is sufficient evidence in experimental animals for the carcinogenicity of titanium dioxide. Exposure to titanium dioxide in this product is unlikely because it is a component of a liquid ink and is bound to other ink components. May cause cancer.

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
Aliphatic Urethane Acrylate	<30	Proprietary	-	-	
<b>Classification:</b>	Skin Irrit. 2;H315, Eye Irrit. 2;H319, STOT SE 3;H335				
Vinyl caprolactam (VCAP)	<30	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				
Tetrahydrofurfuryl Acrylate	<15	2399-48-6 219-268-7	-	-	
<b>Classification:</b>	Skin Corr. 1C;H314				
Titanium dioxide pigment blend	<15	13463-67-7 236-675-5	-	-	
<b>Classification:</b>	-				
2-Propenoic acid, (2,4,6-trioxo-1,3,5-triazine-1,3,5(2H,4 H,6H)-triy)tri-2,1-ethanediyl ester	<10	40220-08-4 254-843-6	-	-	
<b>Classification:</b>	Eye Dam. 1;H318				
Diphenyl (2,4,6 - trimethylbenzoyl) phosphine	<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				
Propiophenone derivative	<5	Proprietary	-	-	
<b>Classification:</b>	Acute Tox. 4;H302, Repr. 1B;H360FD, Aquatic Chronic 2;H411				
Glycerol, propylated, esters with acrylic acid	<1	52408-84-1 500-114-5	-	-	
<b>Classification:</b>	Skin Sens. 1;H317, Eye Irrit. 2;H319				

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
Vinylester resin	<1		-	-	
<b>Classification:</b>	Skin Sens. 1;H317				

## SECTION 4: First aid measures

**General information** Not available.

### 4.1. Description of first aid measures

<b>Inhalation</b>	Move to fresh air. If symptoms persist, get medical attention.
<b>Skin contact</b>	Wash affected areas thoroughly with mild soap and water. If irritation persists get medical attention.
<b>Eye contact</b>	Do not rub eyes. 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. Never give anything by mouth to an unconscious person.

**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 powder. Carbon dioxide (CO <sub>2</sub> ). Water may be ineffective.
<b>Unsuitable extinguishing media</b>	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

<b>Special protective equipment for firefighters</b>	Not available.
<b>Special fire fighting procedures</b>	Avoid runoff into storm sewers and ditches which lead to waterways.

## SECTION 6: Accidental release measures

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

<b>For non-emergency personnel</b>	Wear appropriate personal protective equipment. Do not touch or walk through spilled material.
<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. See also section 13 Disposal considerations.

**6.3. Methods and material for containment and cleaning up** Not available.

**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.

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

Keep away from excessive heat or cold. Do not store in direct sunlight. Do not handle or store near an open flame, heat or other sources of ignition. Opaque, high density polyethylene (HDPE) containers are recommended for shipping and storage.

**7.3. Specific end use(s)**

Not available.

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****Occupational exposure limits****Germany. TRGS 900, Limit Values in the Ambient Air at the Workplace**

Components	Type	Value	Form
Titanium dioxide pigment blend (CAS 13463-67-7)	AGW	3 mg/m <sup>3</sup>	Respirable fraction.
		10 mg/m <sup>3</sup>	Inhalable fraction.

**Recommended monitoring procedures**

**Additional exposure data** Exposure limits have not been established for this product.

**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
Vinyl caprolactam (VCAP) (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

**Predicted no effect concentrations (PNECs)**

Components	Type	Route	Value	Form
Vinyl caprolactam (VCAP) (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

**8.2. Exposure controls**

**Appropriate engineering controls** Not available.

**Individual protection measures, such as personal protective equipment**

**General information** Not available.

**Eye/face protection** Wear safety glasses; chemical goggles (if splashing is possible). Eye wash fountain and emergency showers are recommended.

**Skin protection**

- **Hand protection** Wear appropriate chemical resistant gloves.

- **Other** Wear appropriate chemical resistant clothing.

**Respiratory protection** Provide adequate ventilation. In case of insufficient ventilation wear suitable respiratory equipment.

**Thermal hazards** Not available.

**Hygiene measures**

Handle in accordance with good industrial hygiene and safety practice. Do not get this material in your eyes, on your skin, or on your clothing. When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product. Launder contaminated clothing before reuse. Keep away from food and drink.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties****Appearance**

**Physical state** Not available.

**Color** White.

**Odor** Characteristic.

**Odor threshold** Not available.

**pH** Not applicable.

**Melting point/freezing point** Not available.

<b>Initial boiling point and boiling range</b>	Not available.
<b>Flash point</b>	170.6 °F (77.0 °C) Closed Cup
<b>Evaporation rate</b>	Not available.
<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>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>	No relevant additional information available.
<b>VOC (Weight %)</b>	7.6 g/L Method 24/ASTM D5403-93

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## SECTION 10: Stability and reactivity

<b>10.1. Reactivity</b>	Not available.
<b>10.2. Chemical stability</b>	Stable under normal storage conditions.
<b>10.3. Possibility of hazardous reactions</b>	Hazardous polymerization can occur with decreased inhibitor content.
<b>10.4. Conditions to avoid</b>	Exposure to sunlight.
<b>10.5. Incompatible materials</b>	Incompatible with strong bases and oxidizing agents. alkaline metals
<b>10.6. Hazardous decomposition products</b>	Upon decomposition, this product may yield gaseous nitrogen oxides, carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

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## SECTION 11: Toxicological information

**General information** Complete toxicity data are not available for this specific formulation

### 11.1. Information on toxicological effects

<b>Acute toxicity</b>	Causes skin and eye irritation.
<b>Skin corrosion/irritation</b>	Non-corrosive (OECD 431)
<b>Serious eye damage/eye irritation</b>	Causes eye irritation. (OECD 437)
<b>Respiratory sensitization</b>	Not available.
<b>Skin sensitization</b>	The product contains a small amount of sensitizing substance which may provoke an allergic reaction among sensitive individuals in contact with skin. Causes skin irritation.
<b>Germ cell mutagenicity</b>	Not available.

### Carcinogenicity

#### IARC Monographs. Overall Evaluation of Carcinogenicity

Titanium dioxide pigment blend (CAS 13463-67-7) 2B Possibly carcinogenic to humans.

<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>	Not available.

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## SECTION 12: Ecological information

**Aquatic toxicity** Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### 12.1. Toxicity

Material name: CP530Series

12791 Version No.: 03 Revision date: 10-Apr-2016 Print date: 10-Apr-2016

SDS Germany

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Components	Species	Test Results
Titanium dioxide pigment blend (CAS 13463-67-7)		
<b>Aquatic</b>		
Crustacea	EC50	Water flea (Daphnia magna) > 1000 mg/l, 48 hours
Fish	LC50	Mummichog (Fundulus heteroclitus) > 1000 mg/l, 96 hours
<b>12.2. Persistence and degradability</b>	Not available.	
<b>12.3. Bioaccumulative potential</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.	

## 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.

## SECTION 14: Transport information

<b>DOT</b>	
<b>UN number</b>	NA1993
<b>UN proper shipping name</b>	Combustible Liquid n.o.s. (1-Methoxy-2-propanol acetate, Solvent naphtha) - not regulated in quantities less than 119 gallons.
<b>Transport hazard class(es)</b>	
<b>Class</b>	Combustible
<b>Subsidiary risk</b>	-
<b>Packaging group</b>	III
<b>Special precautions for user</b>	Not available.
<b>IATA</b>	
Not regulated as dangerous goods.	
<b>IMDG</b>	
Not regulated as dangerous goods.	
<b>ADR</b>	
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**

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

Propiophenone derivative (CAS Proprietary)

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

Not regulated.

#### Other regulations

All chemical substances in this HP product have been notified or are exempt from notification under chemical substances notification laws in the following countries: US (TSCA), EU (EINECS/ELINCS), Switzerland, Canada (DSL/NDSL), Australia, Japan, Philippines, South Korea, New Zealand, and China.

#### 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

Not available.

#### Water hazard class

VwVwS

WGK2

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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

17-Sep-2013

**Revision information**

SECTION 2: Hazards identification: Supplemental label information  
Composition/Information on Ingredients  
SECTION 5: Firefighting measures: Special fire fighting procedures  
SECTION 5: Firefighting measures: Special protective equipment for firefighters  
SECTION 16: Other information: Disclaimer

**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



# 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

<b>Conditions and measures related to Personal Protection Equipment, hygiene and health evaluation</b>	<p>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.</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div>
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### Good practice advice

<p>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.</p>	 
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### 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.