



SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Trade name or designation of the mixture CP511 Series

Other means of identification

Synonyms HP Scitex FB221 Cyan Ink

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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2. HAZARDS IDENTIFICATION

2.1 GHS classification of substance or mixture, and national or regional information

Physical hazards Not classified.

Health hazards

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

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

2.2 GHS label elements

Hazard symbol(s)



Signal word

Danger

Hazard statement(s)

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H360	May damage fertility.
H360	May damage the unborn child.
H335	May cause respiratory irritation.
H373	May cause damage to organs (liver, nose) through prolonged or repeated exposure.
H412	Harmful to aquatic life with long lasting effects.

Precautionary statement

Prevention

P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Do not breathe fume/gas/mist/vapors/spray.
P271 - Use only outdoors or in a well-ventilated area.
P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P264 - Wash hands thoroughly after handling.
P273 - Avoid release to the environment.

Response

P370 + P380 - In case of fire: Evacuate area.
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 - If eye irritation persists: Get medical advice/attention.
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water.
P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention.
P308 + P313 - IF exposed or concerned: Get medical attention/advice.
P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P312 - Call a POISON CENTER/doctor/physician if you feel unwell.
P362 - Take off contaminated clothing and wash before reuse.

Storage

P405 - Store locked up.
P403 + P233 - Store in a well-ventilated place. Keep container tightly closed.

Precautionary statements

Disposal

P501

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

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.

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Components	CAS #	Percent
Neopentylglycol propoxylate diacrylate	84170-74-1	<30
Acrylate ester	Proprietary	<25
1-vinylhexahydro-2H-azepin-2-one	2235-00-9	<20
Acrylate Ester	Proprietary	<20
2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	<5
Acrylated Oligoamine Resin	Proprietary	<2.5
Blue Pigment	Proprietary	<2.5
Diphenyl (2,4,6-trimethylbenzoyl) phosphine oxide	75980-60-8	<2.5
Photo Initiator	Proprietary	<2.5
Fragrance	Proprietary	<1

4. FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation	Move to fresh air. If symptoms persist, get medical attention.
Skin contact	Wash affected areas thoroughly with mild soap and water. If irritation persists get medical attention.
Eye contact	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.
Ingestion	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.
General information	Not available.

5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media	
Suitable extinguishing media	Dry powder. Carbon dioxide (CO ₂). Water may be ineffective.
Unsuitable extinguishing media	Water.
5.2. Special hazards arising from the substance or mixture	Not available.
5.3. Advice for firefighters	
Special protective equipment for firefighters	Avoid runoff into storm sewers and ditches which lead to waterways.
Special fire fighting procedures	Not available.
General fire hazards	Not available.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures	
For non-emergency personnel	Wear appropriate personal protective equipment. Do not touch or walk through spilled material.
For emergency responders	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.

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.
7.3. Specific end use(s)	Not available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters	
Occupational exposure limits	No exposure limits noted for ingredient(s).
Biological limit values	No biological exposure limits noted for the ingredient(s).
Recommended monitoring procedures	Not available.
Recommended monitoring procedures	
Additional exposure data	Exposure limits have not been established for this product.

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 ³	Systemic long term
		Inhalation	0.17 mg/m ³	Local long term
Acrylate ester (CAS Proprietary)	Workers	Dermal	0.8 mg/kg	Systemic long term

Components	Type	Route	Value	Form
Neopentylglycol propoxylate diacrylate (CAS 84170-74-1)	Workers	Inhalation	16.2 mg/m ³	Systemic short term
		Dermal	3.33 mg/kg	Systemic long term
		Inhalation	11.75 mg/m ³	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		
		Acrylate ester (CAS Proprietary)	Not applicable	Freshwater	0.00195 mg/l	
				Intermittant	0.0195 mg/l	Releases
				Marine water	0.000195 mg/l	
Sediment	0.0082 mg/kg			Freshwater		
Neopentylglycol propoxylate diacrylate (CAS 84170-74-1)	Not applicable	Sediment	0.00082 mg/kg	Marine water		
		Soil	0.00587 mg/kg			
		STP	10 mg/l	Sewage Treatment Plant		
		Freshwater	0.0027 mg/l			
		Intermittant	0.027 mg/l	Releases		
		Marine water	0.00027 mg/l			
		Sediment	0.188 mg/kg	Freshwater		
		Sediment	0.018 mg/kg	Marine water		
Soil	0.036 mg/kg					
STP	0.2 mg/l	Sewage Treatment Plant				

Exposure guidelines Exposure limits have not been established for this product.

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.

Individual protection measures, for example personal protective equipment (PPE)

Skin protection

Individual protection measures, such as personal protective equipment

- 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.

Environmental exposure controls Not available.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance

Physical state Liquid.

Form Liquid.

Color	Cyan
Odor	Characteristic.
Odor threshold	Not available.
pH	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	> 149.0 °F (> 65.0 °C) Closed Cup
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Solubility(ies)	
Solubility (water)	Not available.
Solubility (other)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Viscosity	Not available.
Explosive properties	Not available.
Oxidizing properties	Not available.
9.2. Other information	
VOC (Weight %)	< 95 g/L

10. STABILITY AND REACTIVITY

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

11. TOXICOLOGICAL INFORMATION

General information	Not available.
11.1. Information on toxicological effects	
Acute toxicity	No data available.
Skin corrosion/irritation	Not available.
Serious eye damage/eye irritation	Not available.
Respiratory sensitization	Not available.
Respiratory or skin sensitization	
Skin sensitization	Not available.
Germ cell mutagenicity	Not available.
Carcinogenicity	Not available.
Reproductive toxicity	Not available.
Specific target organ toxicity - single exposure	Not available.

Specific target organ toxicity - repeated exposure Not available.

Other information Complete toxicity data are not available for this specific formulation

12. ECOLOGICAL INFORMATION

12.1. Toxicity No toxicity data noted for the ingredient(s).
Aquatic toxicity Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
12.2. Persistence and degradability Not available.
12.3. Bioaccumulative potential Not available.
Partition coefficient n-octanol/water (log Kow) Not available.
Bioconcentration factor (BCF) 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.

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.

14. TRANSPORT INFORMATION

DOT
Not regulated as dangerous goods.
IATA
Not regulated as dangerous goods.
IMDG
Not regulated as dangerous goods.
ADR
Not regulated as dangerous goods.

15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
15.2. Chemical safety assessment See attached SUMI or GEIS document, if applicable.
International 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.

16. OTHER INFORMATION

List of abbreviations Not available.
References Not available.
Information on evaluation method leading to the classification of mixture Not available.
Revision information
1. Product and Company Identification: Synonyms
3. Composition / Information on Ingredients: Ingredients
9. Physical & Chemical Properties: Multiple Properties
15. Regulatory Information: Safety Phrases
GHS: Qualifiers

Manufacturer information

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Training information

Not available.

Disclaimer

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