



# SAFETY DATA SHEET

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

**Identification of the substance/preparation** CP513 Series

**Use of the substance/preparation** Inkjet printing

**Issue date** 18-Aug-2016

**Version #** 01

**Synonym(s)** HP Scitex FB221 Yellow Ink

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## 2. HAZARDS IDENTIFICATION

### Classification of the substance or mixture

<b>Physical hazards</b>	Flammable liquids	Category 4
<b>Health hazards</b>	Acute toxicity, oral	Category 4
	Carcinogenicity	Category 1
	Reproductive toxicity	Category 2
<b>Environmental hazards</b>	Hazardous to the aquatic environment, long-term hazard	Category 3

### GHS label elements

**Signal word** Danger



**Hazard statement** Combustible liquid. Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. May damage fertility. May damage the unborn child. May cause respiratory irritation. May cause damage to organs (liver, nose) through prolonged or repeated exposure. Harmful to aquatic life with long lasting effects.

### Precautionary statement

**Prevention**

P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
Do not breathe fume/gas/mist/vapors/spray.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
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.

<b>Response</b>	<p>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.</p>
<b>Storage</b>	<p>P405 - Store locked up.  P403 + P233 - Store in a well-ventilated place. Keep container tightly closed.  P403 + P235 - Store in a well-ventilated place. Keep cool.</p>
<b>Disposal</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS #	Percent
Neopentylglycol propoxylate diacrylate	Proprietary	<30
Acrylate ester	Proprietary	<25
Acrylate Ester	Proprietary	<20
Vinylcaprolactam	Proprietary	<20
Propiophenone derivative	Proprietary	<5
Diphenyl (2,4,6-trimethylbenzoyl) phosphine	Proprietary	<2.5
Acrylated Oligoamine Resin	Proprietary	<2.5
Nickel Yellow Pigment	Proprietary	<2.5
Photo Initiator	Proprietary	<2.5
Fragrance	Proprietary	<1

### 4. 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.

### 5. FIRE-FIGHTING MEASURES

<b>Flash point</b>	> 149.0 °F (> 65.0 °C) Closed Cup
<b>Suitable extinguishing media</b>	Dry powder. Carbon dioxide (CO2). Water may be ineffective.
<b>Extinguishing media which must not be used for safety reasons</b>	Water.
<b>Unusual fire &amp; explosion hazards</b>	None known.
<b>Special protective equipment for fire-fighters</b>	Avoid runoff into storm sewers and ditches which lead to waterways.

### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	Wear appropriate personal protective equipment. Do not touch or walk through spilled material.
<b>Environmental precautions</b>	Do not let product enter drains. Do not flush into surface water or sanitary sewer system. See also section 13 Disposal considerations.
<b>Methods for cleaning up</b>	Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.

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## 7. HANDLING AND STORAGE

<b>Handling</b>	Avoid contact with skin, eyes and clothing.
<b>Storage</b>	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.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<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>	
<b>Additional exposure data</b>	Exposure limits have not been established for this product.
<b>Personal protective equipment</b>	
<b>Respiratory protection</b>	Provide adequate ventilation. In case of insufficient ventilation wear suitable respiratory equipment.
<b>Hand protection</b>	Wear appropriate chemical resistant gloves.
<b>Eye protection</b>	Wear safety glasses; chemical goggles (if splashing is possible). Eye wash fountain and emergency showers are recommended.
<b>Skin and body protection</b>	Wear appropriate chemical resistant clothing.
<b>Hygiene measures</b>	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.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	
<b>Physical state</b>	Liquid.
<b>Color</b>	Yellow
<b>Odor</b>	Characteristic.
<b>pH</b>	Not available.
<b>Melting point/Freezing point</b>	Not available.
<b>Boiling point, initial boiling point, and boiling range</b>	Not available.
<b>Flash point</b>	> 149.0 °F (> 65.0 °C) Closed Cup
<b>Auto-ignition temperature</b>	Not available.
<b>Flammability limit - lower (%)</b>	Not available.
<b>Flammability limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Vapor density</b>	Not available.
<b>Specific gravity</b>	Not available.
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Not available.
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Other data</b>	
<b>VOC (Weight %)</b>	< 95 g/L

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## 10. STABILITY AND REACTIVITY

<b>Conditions to avoid</b>	Exposure to sunlight.
<b>Hazardous decomposition products</b>	Upon decomposition, this product may yield gaseous nitrogen oxides, carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.
<b>Stability</b>	Stable under normal storage conditions.
<b>Materials to avoid</b>	Incompatible with strong bases and oxidizing agents. alkaline metals
<b>Hazardous polymerization</b>	Hazardous polymerization can occur with decreased inhibitor content.

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## 11. TOXICOLOGICAL INFORMATION

<b>Skin corrosion/irritation</b>	Not available.
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<b>Serious eye damage/eye irritation</b>	Not available.
<b>Respiratory or skin sensitization</b>	
<b>Skin sensitization</b>	Not available.
<b>Respiratory sensitization</b>	Not available.
<b>Germ cell mutagenicity</b>	Not available.
<b>Toxic to reproduction</b>	Not available.
<b>Aspiration hazard</b>	Not available.
<b>Toxicological information</b>	Not available.
<b>Further information</b>	Complete toxicity data are not available for this specific formulation

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## 12. ECOLOGICAL INFORMATION

<b>Environmental effects</b>	Not available.
<b>Persistence / degradability</b>	Not available.
<b>Bioaccumulation</b>	Not available.
<b>Aquatic toxicity</b>	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
<b>Mobility</b>	Not available.

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## 13. DISPOSAL CONSIDERATIONS

<b>Disposal instructions</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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## 14. TRANSPORT INFORMATION

<b>DOT</b>	Not regulated as dangerous goods.
<b>IATA</b>	Not regulated as dangerous goods.
<b>IMDG</b>	Not regulated as dangerous goods.
<b>ADR</b>	Not regulated as dangerous goods.

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## 15. REGULATORY INFORMATION

<b>Federal regulations</b>	
<b>International regulations</b>	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.
<b>Kyoto protocol</b>	Not applicable.
<b>Montreal Protocol</b>	Not applicable.
<b>Rotterdam Convention</b>	Not applicable.
<b>Stockholm Convention</b>	Not applicable.

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## 16. OTHER INFORMATION

<b>Disclaimer</b>	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.
<b>Prepared by</b>	HP Chemical Compliance & Toxicology Department
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**This data sheet contains changes from the previous version in section(s):**

Product and Company Identification: Synonyms  
Composition / Information on Ingredients: Ingredients  
Physical & Chemical Properties: Multiple Properties  
Regulatory Information: Safety Phrases  
HazReg Data: Pacific Rim  
GHS: Qualifiers

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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