



# MATERIAL SAFETY DATA SHEET

## 1. Chemical product and company identification

|  |   |
|--|---|
| <b>A. Product name</b>                           | CN895Series   |
| <b>Synonym(s)</b>                                | HP XP210 Yellow Scitex ink  |
| <b>B. Recommended use and Limitations on use</b> |   |
| <b>Recommended use</b>                           | Inkjet printing   |
| <b>Company identification</b>                    | HP Korea House<br>23-6 Yoido-dong<br>Youngdeungpo-gu<br>Seoul 150-742, Korea<br>Telephone (02) 2199-0114  |
|  | HP Inc. health effects line<br>(Toll-free within the US) 1-800-457-4209<br>(Direct) 1-760-710-0048<br>HP Inc. Customer Care Line<br>(Toll-free within the US) 1-800-474-6836<br>(Direct) 1-208-323-2551<br>Email: hpcustomer.inquiries@hp.com |
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| <b>Revision date</b>                             | 13-Aug-2016   |
| <b>Version #</b>                                 | 02  |

## 2. Hazards identification

### A. Hazard category/Classification

|                              |                 |
|------------------------------|-----------------|
| <b>Physical hazards</b>      | Not classified. |
| <b>Health hazards</b>        | Not classified. |
| <b>Environmental hazards</b> | Not classified. |

### B. Warning label items including precautionary statement

|                                  |       |
|----------------------------------|-------|
| • <b>Pictogram</b>               | None. |
| • <b>Signal word</b>             | None. |
| • <b>Hazard statement</b>        | None. |
| • <b>Precautionary statement</b> |       |
| <b>Prevention</b>                | None  |
| <b>Response</b>                  | None  |
| <b>Storage</b>                   | None  |
| <b>Disposal</b>                  | None  |

**C. Other hazards not included in the hazard category criteria (e.g. dust explosion hazard)** Not available.

**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.

## 3. Composition/information on ingredients

| Chemical identity                                   | Common and alternative names | CAS number  | ID number   | Content in percent (%) |
|---|------------------------------|-------------|-------------|------------------------|
| multifunctional acrylate                            |                              | Proprietary |             | 25 - 40                |
| Carboxylic Acids, Esters                            |                              | Proprietary | Proprietary | 10 - 25                |
| Vinylcaprolactam                                    |                              | Proprietary | Proprietary | 10 - 25                |
| Alkyl Acrylate Ester                                |                              | Proprietary | Proprietary | 2.5 - 5                |
| Diphenyl (2,4,6-trimethylbenzoyl) phosphine         |                              | Proprietary | Proprietary | 2.5 - 5                |
| 2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone |                              | 119313-12-1 | 97-3-470    | < 1                    |

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## 4. First aid measures

- A. In case of eye contact** 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. In case of skin contact** 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.
- C. In case of inhalation** Move to fresh air. Keep victim warm. If symptoms persist, get medical attention.
- D. In case of swallowing** If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting.
- E. Note to physician** Not available.
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## 5. Fire-fighting measures

### A. Suitable (and unsuitable) extinguishing media

**Suitable extinguishing media** Dry chemical, foam, carbon dioxide, water fog.

**Unsuitable extinguishing media** Do not use water jet.

**B. Specific hazards arising from the chemical (example: hazardous combustion products)** Fire will produce dense black smoke containing hazardous combustion products (see section 10).

### C. Specific methods of fire-fighting

**Special protective equipment for firefighters** Avoid runoff into storm sewers and ditches which lead to waterways.

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## 6. Accidental release measures

**A. Personal precautions, protective equipment and emergency measures** Remove all sources of ignition. Ensure adequate ventilation. Avoid inhalation of vapors or mists. Wear appropriate personal protective equipment.

**B. Environmental precautions** Do not let product enter drains. Do not flush into surface water or sanitary sewer system.

**C. Methods and materials for containment and cleaning up** Clean with detergents. Avoid solvents.

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## 7. Handling and storage

**A. 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.

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|   |   |
|---|---|
| <b>B. Conditions for safe storage (including any incompatibilities)</b> | 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. |

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## 8. Exposure controls/personal protection

### A. Exposure limit values, biological limit values, etc

No exposure limits noted for ingredient(s).

**Biological limit values** No biological exposure limits noted for the ingredient(s).

**Exposure guidelines** None established.

**B. 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.

### C. Personal protective equipment

- **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.
- **Eye protection** Wear safety glasses; chemical goggles (if splashing is possible).
- **Hand protection** Wear appropriate chemical resistant gloves.
- **Body protection** Use personal protective equipment to minimize exposure to skin and eye. Use impervious gloves.

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

### Recommended monitoring procedures

**Additional exposure data** None established.

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## 9. Physical and chemical properties

### A. Appearance

**Physical state** Liquid.

**Color** Yellow

**B. Odor** Not available.

**C. Odor threshold** Not available.

**D. pH** Not applicable.

### E. Melting point/freezing point

**Freezing point** Not determined.

**F. Boiling point, initial boiling point, and boiling range** Not determined.

**G. Flash point** Not available.

**H. Evaporation rate** Not determined.

**I. Flammability (solid, gas)** Not available.

### J. Upper/lower limit on flammability or explosive limits

**Flammability limit - lower (%)** Not available.

**Flammability limit - upper (%)** Not available.

**Explosive limit - lower (%)** Not available.

**Explosive limit - upper (%)** Not available.

**K. Vapor pressure** Not determined.

### L. Solubility

**Solubility (water)** Not available.

**M. Vapor density** Not available.

|   |                |
|---|----------------|
| <b>N. Specific gravity</b>                      | Not available. |
| <b>O. n-octanol/water partition coefficient</b> | Not available. |
| <b>P. Auto-ignition temperature</b>             | Not available. |
| <b>Q. Decomposition temperature</b>             | Not available. |
| <b>R. Viscosity</b>                             | Not available. |
| <b>S. Molecular weight</b>                      | Not available. |
| <b>Other data</b>                               |                |
| <b>VOC (Weight %)</b>                           | < 95 g/L       |

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## 10. Stability and reactivity

### A. Stability and hazardous reaction potential

|                                     |  |
|-------------------------------------|--|
| <b>Stability</b>                    | Stable under recommended storage conditions. |
| <b>Hazardous reaction potential</b> | Not available.                               |

**B. Conditions to avoid (e.g. static discharge, shock or vibration, etc)** Not available.

**C. Incompatible materials** Strong acids, alkalis and oxidizing agents. Strong acids and strong alkalis. oxidizing agents

**D. Hazardous decomposition products** Nitrogen oxides (NOx),, smoke, Carbon monoxide and carbon dioxide.

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## 11. Toxicological information

### A. Information on likely routes of exposure

- **Respiratory organs** Not available.
- **Mouth** Not available.
- **Eyes** Not available.
- **Skin** Not available.

### B. Information on health hazards

- **Acute toxicity (list all possible routes of exposure)** No data available.
- **Corrosivity or irritation to the skin** Not available.
- **Serious eye damage/eye irritation** Not available.
- **Respiratory sensitization** Not available.
- **Skin sensitization** Not available.
- **Carcinogenic properties /Carcinogenicity** Not available.
- **Mutagenic properties /Mutagenicity** Not available.
- **Reproductive toxicity** Not available.
- **Specific target organ toxicity - single exposure** Not available.
- **Specific target organ toxicity - repeated exposure** Not available.
- **Aspiration hazard** Not available.

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

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## 12. Ecological information

### A. Ecotoxicity

- **Acute toxicity to aquatic organisms** No data available.
- **Hazardous to the aquatic environment, acute hazard** Not available.

|   |   |
|---|---|
| <b>Hazardous to the aquatic environment, long-term hazard</b> | Not available.  |
| <b>B. Persistence/degradability</b>                           | Not available.  |
| <b>C. Bioaccumulative potential</b>                           | Not available.  |
| <b>D. Mobility in soil</b>                                    | Not available.  |
| <b>E. Other adverse effects</b>                               | Not available.  |
| <b>Aquatic toxicity</b>                                       | Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |

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### 13. Disposal considerations

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|--|--|
| <b>A. Method of disposal</b>   | Do not dispose of together with general office waste.<br>Do not allow this material to drain into sewers/water supplies.<br>Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.<br>Ensure collection and disposal with an appropriately licensed waste contractor. |
| <b>B. Disposal considerations (including disposal of contaminated containers or packaging)</b> | Not available.   |

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### 14. Transport information

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

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### 15. Regulatory information

#### A. Restrictions under the Industrial Safety and Health Law

##### Harmful Substances Prohibited from Manufacturing

Not regulated.

##### Harmful Substances Requiring Permission for Manufacture or Use

Not regulated.

##### Controlled Hazardous Substances

Not regulated.

##### Harmful Substances Requiring Special Medical Examination

Not regulated.

##### Workplace Environmental Monitoring Harmful Materials

Not regulated.

##### Occupational Exposure Limit

Not regulated.

#### B. Restrictions under the Toxic Chemicals Control Law

##### Accidental Release Prevention Substances

Not regulated.

##### Banned Toxic Chemicals

Not regulated.

##### Observational Chemicals

Not regulated.

##### Restricted Chemical Substances

Not regulated.

##### Toxic Chemicals

Not regulated.

#### C. Restrictions under the Dangerous Substance Safety Management Act

#### D. Restrictions under the Wastes Control Act

##### Halogenated Materials in Waste Organic Solvents

Not regulated.

##### Hazardous Substances

Not regulated.

#### E. Restrictions under other foreign or domestic laws

##### Clean Air Conservation Act

###### Air Pollutants

Not regulated.

###### Specific Air Pollutants

Not regulated.

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## 16. Other information

|  |   |
|--|---|
| <b>A. Source of information</b>                                | Not available.  |
| <b>B. Issue date</b>   | 06-Sep-2013   |
| <b>Revision date</b>   | 13-Aug-2016   |
| <b>C. Number of revisions and date of most recent revision</b> | 13-Aug-2016 (02 revision)   |
| <b>D. Other</b>  | Not available.  |
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**This data sheet contains changes from the previous version in section(s):** Other information: Disclaimer

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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  |