



# SAFETY DATA SHEET

## 1. Identification of the substance or mixture

**Important information** \*\*\* This Safety Data Sheet is only authorised for use by HP for HP Original products. Any unauthorised use of this Safety Data Sheet is strictly prohibited and may result in legal action being taken by HP. \*\*\*

**Product identifier/name based on GHS** HP Indigo ElectroInk Cyan for use with HP Indigo Digital Presses 10000, 12000. CONCENTRATED. Q4212A

**Other means of identification**  
**Synonyms** Part Number Q4212A

**Recommended use of the chemical and restrictions on use**  
**Recommended use** Printing ink for use with HP Indigo Digital Presses 10000 and 12000.  
**Recommended restrictions** None known.

**Manufacturer/Importer/Supplier/Distributor information**  
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## 2. Hazards identification

**Physical hazards** Not classified.  
**Health hazards** Not classified.  
**Environmental hazards** Not classified.

**Label elements**  
**Signal word** None.  
**Hazard statement** Not available.  
**Precautionary statement**  
**Prevention** Not available.  
**Response** Not available.  
**Storage** Not available.  
**Disposal** Not available.  
**Pictograms (hazard symbols)** None.

**Other hazards which do not result in classification** None known.  
**Supplemental information** None.

## 3. Composition / information on ingredients

**Substance or mixture** Mixture

### Chemical property

| Chemical name         | CAS Number  | Concentration (%) |
|-----------------------|-------------|-------------------|
| Petroleum hydrocarbon | 90622-58-5  | <70               |
| Trade Secret          | Proprietary | <25               |
| Pigment Blue          | Proprietary | <5                |

|                     | <b>CAS Number</b> | <b>Concentration (%)</b> |
|---------------------|-------------------|--------------------------|
| Fluoropolymer resin | 9002-84-0         | <2.5                     |

#### 4. First aid measures

##### Description of necessary first-aid measures

|   |   |
|---|---|
| <b>Inhalation</b>   | If overcome by vapor, remove person from exposure to fresh air. If breathing is difficult, give oxygen. If symptoms persist, get medical attention.   |
| <b>Skin contact</b>   | Wash affected areas thoroughly with mild soap and water. Get medical attention if irritation develops or persists.  |
| <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. Do not apply neutralizing agents. |
| <b>Ingestion</b>  | Do not induce vomiting. Never give anything by mouth to an unconscious person. If ingestion of a large amount does occur, seek medical attention.   |
| <b>Most important symptoms/effects, acute and delayed</b>                     | Not available.  |
| <b>Indication of immediate medical attention and special treatment needed</b> | Not available.  |

#### 5. Fire-fighting measures

|  |  |
|--|--|
| <b>Suitable extinguishing media</b>                                  | Suitable extinguishing media: Dry chemical, CO2, water spray or regular foam.                                    |
| <b>Unsuitable extinguishing media</b>                                | None known.  |
| <b>Specific hazards arising from the chemical</b>                    | None known.  |
| <b>Specific / special fire-fighting procedures</b>                   | Move containers from fire area if you can do it without risk. Evacuate area and fight fire from a safe distance. |
| <b>Special protective equipment and precautions for firefighters</b> | Not available.   |

#### 6. Accidental release (spill or leakage) measures

|  |  |
|--|--|
| <b>Personal precautions, protective equipment and emergency procedures</b> | Wear appropriate personal protective equipment.  |
| <b>Environmental precautions</b>   | Do not let product enter drains. Do not flush into surface water or sanitary sewer system. |
| <b>Methods and materials for containment and cleaning up</b>               | Not available.   |

#### 7. Handling and storage

##### Preventative measures for safe handling

|                                      |   |
|--------------------------------------|---|
| <b>Safe handling advice</b>          | Avoid prolonged or repeated skin contact with this material. Do not reuse the empty container. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. |
| <b>Precautions for safe handling</b> | Not available.  |
| <b>Conditions for safe storage</b>   |   |
| <b>Technical measures</b>            | Keep away from excessive heat or cold. Store in a cool and shaded area. Do not store in direct sunlight.  |
| <b>Suitable storage conditions</b>   | Store in accordance with local/regional/national/international regulation.  |
| <b>Any incompatibilities</b>         | Not available.  |

#### 8. Exposure controls/personal protection

##### Control parameters

| <b>ACGIH Components</b> | <b>Type</b> | <b>Value</b>          |
|-------------------------|-------------|-----------------------|
| Trade Secret            | STEL        | 143 mg/m <sup>3</sup> |
|                         | TWA         | 3 mg/m <sup>3</sup>   |

|  |   |
|--|---|
| <b>Biological limit values</b>   | No biological exposure limits noted for the ingredient(s).  |
| <b>Exposure guidelines</b>   | Manufacturer recommended exposure limit based on petroleum hydrocarbon at > 75%. TWA = 171ppm (1200 mg/m3). |
| <b>Appropriate engineering controls</b>                                      | Use in a well ventilated area.  |
| <b>Individual protection measures, such as personal protective equipment</b> |   |
| <b>Respiratory protection</b>  | Not available.  |
| <b>Hand protection</b>   | Not available.  |
| <b>Eye/face protection</b>   | Not available.  |
| <b>Skin and body protection</b>  | Not available.  |
| <b>Thermal hazards</b>   | Not available.  |
| <b>General hygiene considerations</b>  | Handle in accordance with good industrial hygiene and safety practice.                                      |

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## 9. Physical and chemical properties

### Empirical data of the substance or mixture

|   |                            |
|---|----------------------------|
| <b>Organoleptic properties (shape, color, etc.)</b> | Paste                      |
| <b>Physical state</b>                               | Solid.                     |
| <b>Form</b>   | Not available.             |
| <b>Color</b>  | Cyan                       |
| <b>Odor</b>   | mild hydrocarbon-like      |
| <b>Odor threshold</b>                               | Not available.             |
| <b>pH</b>   | Not available.             |
| <b>Melting point/freezing point</b>                 | Not available.             |
| <b>Initial boiling point and boiling range</b>      | Not available.             |
| <b>Flash point</b>                                  | Not available.             |
| <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>Explosive limit - lower (%)</b>                  | Not available.             |
| <b>Explosive limit - upper (%)</b>                  | Not available.             |
| <b>Vapor pressure</b>                               | Not available.             |
| <b>Vapor density</b>                                | Not available.             |
| <b>Solubility(ies)</b>                              |                            |
| <b>Solubility (water)</b>                           | Not soluble in water       |
| <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>Other information</b>                            |                            |
| <b>Oxidizing properties</b>                         | Not applicable.            |
| <b>Specific gravity</b>                             | 0.845                      |
| <b>VOC</b>  | 540 g/L (4.51 lbs/gal. US) |

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## 10. Stability and reactivity

|   |  |
|---|--|
| <b>Reactivity</b>                         | Not available.                               |
| <b>Chemical stability</b>                 | Stable under recommended storage conditions. |
| <b>Possibility of hazardous reactions</b> | Will not occur.                              |
| <b>Conditions to avoid</b>                | Not available.                               |

|   |  |
|---|--|
| <b>Incompatible materials</b>           | This product may react with strong oxidizing agents.   |
| <b>Hazardous decomposition products</b> | Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. |

## 11. Toxicological information

### Complete and comprehensive description of the various toxicological / health effects

|  |   |
|--|---|
| <b>Acute toxicity</b>                    | Based on available data, the classification criteria are not met. |
| <b>Skin corrosion/irritation</b>         | Not classified.   |
| <b>Serious eye damage/eye irritation</b> | Not classified.   |
| <b>Respiratory or skin sensitization</b> |   |
| <b>Respiratory sensitization</b>         | Not classified.   |
| <b>Skin sensitization</b>                | Not classified.   |
| <b>Germ cell mutagenicity</b>            | Not classified.   |
| <b>Carcinogenicity</b>                   | Not classified.   |

#### IARC Monographs. Overall Evaluation of Carcinogenicity

Fluoropolymer resin (CAS 9002-84-0) 3 Not classifiable as to carcinogenicity to humans.

|   |                 |
|---|-----------------|
| <b>Reproductive toxicity</b>                              | Not classified. |
| <b>Specific target organ toxicity - single exposure</b>   | Not classified. |
| <b>Specific target organ toxicity - repeated exposure</b> | Not classified. |
| <b>Aspiration hazard</b>                                  | Not classified. |

### Information on likely routes of exposure

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | Under normal conditions of intended use, this material is not expected to be an inhalation hazard. |
| <b>Skin contact</b> | Prolonged skin contact may cause redness, irritation and dry skin.                                 |
| <b>Eye contact</b>  | Contact with eyes may result in mild irritation.   |
| <b>Ingestion</b>    | Ingestion is not a likely route of exposure.   |

**Symptoms related to the physical, chemical and toxicological characteristics** Not available.

**Delayed and immediate effects and also chronic effects from short and long term exposure** Not available.

### Numerical measures of toxicity

**Interactive effects** Not available.  
**Mixture versus substance information** Not available.

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

Refer to Section 2 for potential health effects and Section 4 for first aid measures.

## 12. Ecological information

|                                      |  |
|--------------------------------------|--|
| <b>Ecotoxicity</b>                   | No ecotoxicity data noted for the ingredient(s).         |
| <b>Persistence and degradability</b> | Not available.   |
| <b>Bioaccumulative potential</b>     | Not available.   |
| <b>Mobility in soil</b>              | Not available.   |
| <b>Other adverse effects</b>         | Not available.   |
| <b>Aquatic toxicity</b>              | This product has not been tested for ecological effects. |

## 13. Waste disposal

|  |  |
|--|--|
| <b>Methods of disposal</b>                   | Not available.   |
| <b>Local disposal regulations</b>            | Dispose of in compliance with federal, state, and local regulations. |
| <b>Waste from residues / unused products</b> | Not available.   |

Contaminated packaging Not available.

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## 14. Transport information

### DOT

UN number Not available.  
UN proper shipping name Not Regulated  
Transport hazard class(es)  
Class Not available.  
Subsidiary risk -  
Packing group Not available.  
Environmental hazards  
Marine pollutant No  
Special precautions for user Not available.

### IATA

UN number Not available.  
UN proper shipping name Not Regulated.  
Transport hazard class(es)  
Class Not available.  
Subsidiary risk -  
Packing group Not available.  
Environmental hazards No.  
Special precautions for user Not available.

### IMDG

UN number Not available.  
UN proper shipping name Not Regulated.  
Transport hazard class(es)  
Class Not available.  
Subsidiary risk -  
Packing group Not available.  
Transport hazard class(es)  
Marine pollutant No.  
EmS Not available.  
Special precautions for user Not available.

### ADR

UN number Not available.  
UN proper shipping name Not Regulated.  
Transport hazard class(es)  
Class Not available.  
Subsidiary risk -  
Hazard No. (ADR) Not available.  
Tunnel restriction code Not available.  
Packing group Not available.  
Environmental hazards No.  
Special precautions for user Not available.

Further information Transport in bulk according to Annex II of MARPOL73/78 and the IBC code: Not applicable.  
Not a dangerous good under DOT, IATA, ADR, IMDG, or RID.

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## 15. Regulatory information

### Safety, health and environmental regulations specific for the product in question

**CWC (Law of RI No. 9 of 2008 re: Prohibition on the Use of Chemicals as Chemical Weapon, March 10, 2008)**

Not regulated.

**Dangerous Substances that Must be Registered (Regulation of the Minister of Health of the Republic of Indonesia, No. 472/Menkes/Per/V/1996)**

Not regulated.

**Import and Distribution Control of Hazardous Materials (Minister of Trade Regulation No. 75/M-DAG/PER/10/2014, Annex I)**

Not listed.

**Precursor Chemicals (Ministry of Industry and Trade Decree No. 647/MPP/Kep/10/2004 concerning Regulation on Import of Precursors, Attachment 1, Oct. 18, 2004)**

Not regulated.

**Prohibited Substances (Government Regulation No. 74 of 2001 regarding Management of Hazardous and Poisonous Substances, Attachment II, Table 1)**

Not regulated.

**Restricted Substances (Government Regulation No. 74 of 2001 regarding Management of Hazardous and Poisonous Substances, Attachment II, Table 2)**

Not regulated.

**Toxic and Hazardous Materials List (Decree of the Ministry of Industry on the Safeguarding of Toxic and Hazardous Materials in Industrial Plants, No. 148/M/SK/4/1985)**

Not regulated.

**Hazardous Substances Approved for Use (Government Regulation No. 74 of 2001 regarding Management of Hazardous and Poisonous Substances, Attachment I)**

**Listed substances**

Not regulated.

**Listed substances / Allowed until 2040**

Not regulated.

**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.

**Stockholm Convention**

Not applicable.

**Rotterdam Convention**

Not applicable.

**Montreal Protocol**

Not applicable.

**Kyoto protocol**

Not applicable.

**Basel Convention**

Not applicable.

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**16. Other information**

**Issue date** 17-Aug-2017

**Revision date** 20-Oct-2020

**Version #** 05

**References and sources for data used to compile the SDS** Not available.

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**Revision information**

## 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  |