



SAFETY DATA SHEET

1. Chemical product and company identification

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 name HP Indigo ElectroInk Light Cyan for use with HP Indigo Digital Press 10000 Q4224A

Other identification
Synonyms Part Number Q4224A

Company identification PT. Hewlett-Packard Indonesia
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(Direct) 1-760-710-0048

HP Inc. Customer Care Line
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Recommended use and Limitations on use

Recommended use Printing ink for use with HP Indigo Digital Presses 10000.

2. Hazards identification

GHS classification

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

Label elements

Pictogram None.
Signal word None.
Hazard statement None.

Precautionary statement

Prevention None.
Response None.
Storage None.
Disposal None.

GHS Other hazards None known.

GHS Supplemental information None.

3. Composition / information on ingredients

Substance or mixture Mixture

Chemical property

| Chemical name | CAS Number | Concentration (%) |
|-----------------------|-------------|-------------------|
| Petroleum hydrocarbon | 90622-58-5 | <80 |
| Trade Secret | Proprietary | <20 |
| Fluoropolymer resin | 9002-84-0 | <1 |
| Pigment Blue | Proprietary | <1 |

4. First aid measures

First aid measures for different exposure routes

| | |
|---|---|
| Inhalation | If overcome by vapor, remove person from exposure to fresh air. If breathing is difficult, give oxygen. If symptoms persist, get medical attention. |
| Skin contact | Wash affected areas thoroughly with mild soap and water. Get medical attention if irritation develops or persists. |
| 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. Do not apply neutralizing agents. |
| Ingestion | Do not induce vomiting. Never give anything by mouth to an unconscious person. If ingestion of a large amount does occur, seek medical attention. |
| Most important symptoms and effects | Not available. |
| Personal protection for first-aid responders | Not available. |
| Notes to physician | Not available. |

5. Fire-fighting measures

| | |
|---|--|
| Extinguishing media | Suitable extinguishing media: Dry chemical, CO ₂ , water spray or regular foam. |
| Extinguishing media to avoid | None known. |
| Specific hazards | None known. |
| Special fire fighting procedures | Move containers from fire area if you can do it without risk. Evacuate area and fight fire from a safe distance. |
| Protection of fire-fighters | Not specified. |

6. Accidental release measures

| | |
|----------------------------------|--|
| Personal precautions | Wear appropriate personal protective equipment. |
| Environmental precautions | Do not let product enter drains. Do not flush into surface water or sanitary sewer system. |
| Spill clean-up methods | Not available. |

7. Handling and storage

Handling

| | |
|-----------------------------|---|
| Precautions | Not available. |
| Safe handling advice | 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. |

Storage

| | |
|------------------------------------|--|
| Technical measures | Keep away from excessive heat or cold. Store in a cool and shaded area. Do not store in direct sunlight. |
| Suitable storage conditions | Store in accordance with local/regional/national/international regulation. |
| Incompatible materials | Not available. |

8. Exposure controls/personal protection

Occupational exposure limits

| ACGIH Components | Type | Value |
|-------------------------|-------------|-----------------------|
| TRADE SECRET | STEL | 143 mg/m ³ |
| | TWA | 3 mg/m ³ |

| | |
|--------------------------------------|--|
| Exposure guidelines | Manufacturer recommended exposure limit based on petroleum hydrocarbon at > 75%. TWA = 171ppm (1200 mg/m ³). |
| Engineering measures | Use in a well ventilated area. |
| Personal protective equipment | |
| Respiratory protection | Not available. |
| Hand protection | Not available. |
| Eye protection | Not available. |
| Skin and body protection | Not available. |
| Hygiene measures | Handle in accordance with good industrial hygiene and safety practice. |

9. Physical and chemical properties

| | |
|--|---------------------------|
| Appearance | Paste |
| Physical state | Solid. |
| Form | Not available. |
| Color | Light Cyan |
| Odor | mild hydrocarbon-like |
| Odor threshold | Not available. |
| pH | Not available. |
| Melting point/freezing point | Not available. |
| Boiling point, initial boiling point, and boiling range | Not available. |
| Flash point | Not available. |
| Auto-ignition temperature | 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 - lower (%) | Not available. |
| Explosive limit - upper (%) | Not available. |
| Vapor pressure | Not available. |
| Vapor density | Not available. |
| Evaporation rate | Not available. |
| Solubility(ies) | |
| Solubility (water) | Not soluble in water |
| Partition coefficient (n-octanol/water) | Not available. |
| Decomposition temperature | Not available. |
| Viscosity | Not available. |
| Other data | |
| Oxidizing properties | Not applicable. |
| Specific gravity | 0.8 |
| VOC | 635 g/L (5.30 lbs/gal.US) |

10. Stability and reactivity

| | |
|---|--|
| Reactivity | Not available. |
| Stability | Stable under recommended storage conditions. |
| Conditions to avoid | None. |
| Incompatible materials | This product may react with strong oxidizing agents. |
| Hazardous decomposition products | Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. |
| Possibility of hazardous reactions | Will not occur. |

11. Toxicological information

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

| | | |
|---|---|---|
| Carcinogenicity | Not classified. | |
| IARC Monographs. Overall Evaluation of Carcinogenicity | | |
| Fluoropolymer resin (CAS 9002-84-0) | | 3 Not classifiable as to carcinogenicity to humans. |
| Toxic to reproduction | Not classified. | |
| Specific target organ toxicity - single exposure | Not classified. | |
| Specific target organ toxicity - repeated exposure | Not classified. | |
| Aspiration hazard | Not classified. | |
| Chronic effects | Not available. | |
| Interactive effects | 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

| | |
|--------------------------------------|--|
| Aquatic toxicity | This product has not been tested for ecological effects. |
| Ecotoxicity | Not available. |
| Persistence and degradability | Not available. |
| Bioaccumulation | Not available. |
| Mobility in soil | Not available. |
| Other hazardous effects | Not available. |

13. Disposal considerations

| | |
|-------------------------------------|--|
| Disposal methods/information | Not available. |
| Local disposal regulations | Dispose of in compliance with federal, state, and local regulations. |

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. |

15. Regulatory information

Applicable regulations

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.

| | |
|-------------------------------|--|
| Regulatory information | 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. |
|-------------------------------|--|

Applicable regulations

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.

16. Other information

Issued by

Company name HP Inc.

Disclaimer

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

Revision information

1. Product and Company Identification: Product and Company Identification
Hazards identification: Hazard statement
3. Composition / Information on Ingredients: Disclosure Overrides
Transport information: Further information

Explanation of abbreviations

| | |
|---------------|---|
| ACGIH | American Conference of Governmental Industrial Hygienists |
| CAS | Chemical Abstracts Service |
| CERCLA | Comprehensive Environmental Response Compensation and Liability Act |
| CFR | Code of Federal Regulations |
| COC | Cleveland Open Cup |
| DOT | Department of Transportation |
| EPCRA | Emergency Planning and Community Right-to-Know Act (aka SARA) |
| IARC | International Agency for Research on Cancer |
| NIOSH | National Institute for Occupational Safety and Health |
| NTP | National Toxicology Program |
| OSHA | Occupational Safety and Health Administration |
| PEL | Permissible Exposure Limit |
| RCRA | Resource Conservation and Recovery Act |
| REC | Recommended |
| REL | Recommended Exposure Limit |
| SARA | Superfund Amendments and Reauthorization Act of 1986 |
| STEL | Short-Term Exposure Limit |
| TCLP | Toxicity Characteristics Leaching Procedure |
| TLV | Threshold Limit Value |
| TSCA | Toxic Substances Control Act |
| VOC | Volatile Organic Compounds |