



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 ElectroInk Gray 011 Q4036A |
| Other means of identification | Not available. |
| Recommended use of the chemical and restrictions on use | |
| Recommended use | For use with HP Indigo Press series 1000&2000 |
| Recommended restrictions | None known. |
| Manufacturer/Importer/Supplier/Distributor information | |
| Company identification | PT. Hewlett-Packard Indonesia 9th Floor, Jl.Casablanca Kav.88 Prudential Centre Jakarta, Indonesia 12870 |
| Telephone | +62-21 5799-1088 |
| HP Inc. health effects line | |
| (Toll-free within the US) | 1-800-457-4209 |
| (Direct) | 1-760-710-0048 |
| HP Inc. Customer Care Line | |
| (Toll-free within the US) | 1-800-474-6836 |
| (Direct) | 1-208-323-2551 |
| Email: | hpcustomer.inquiries@hp.com |

2. Hazards identification

| | |
|------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Physical hazards | Not classified. |
| Health hazards | Not classified. |
| Environmental hazards | Not classified. |
| Label elements | |
| Signal word | None. |
| Hazard statement | The mixture does not meet the criteria for classification. |
| 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 | Carbon black in this preparation, due to its bound form, does not present this carcinogenic risk. None of the other ingredients in this preparation are classified as carcinogens according to ACGIH, EU, IARC, MAK, NTP or OSHA. |
| Supplemental information | None. |

3. Composition / information on ingredients

| | | | |
|-----------------------------|-------------------|--------------------------|--|
| Substance or mixture | Mixture | | |
| Chemical property | | | |
| Chemical name | CAS Number | Concentration (%) | |
| Petroleum hydrocarbon | 90622-58-5 | <100 | |
| C.I.P.B 7 No. 77266 | Proprietary | <1 | |
| Fluoropolymer resin | 9002-84-0 | <1 | |

| | CAS Number | Concentration (%) |
|----------------------|------------|-------------------|
| C.I.P.Y. 13 No.21100 | 5102-83-0 | <0.1 |

Composition comments Carbon black is present only in a bound form in this preparation.

4. First aid measures

Description of necessary first-aid measures

| | |
|-------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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/effects, acute and delayed | Not available. |
| Indication of immediate medical attention and special treatment needed | Not available. |

5. Fire-fighting measures

| | |
|----------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| Suitable extinguishing media | Suitable extinguishing media: Dry chemical, CO2, water spray or regular foam. |
| Unsuitable extinguishing media | None known. |
| Specific hazards arising from the chemical | None known. |
| Specific / 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. |
| Special protective equipment and precautions for firefighters | Not available. |

6. Accidental release (spill or leakage) measures

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

7. Handling and storage

Preventative measures for safe handling

| | |
|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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. |
| Precautions for safe handling | Not available. |
| Conditions for safe 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. |
| Any incompatibilities | Not available. |

8. Exposure controls/personal protection

Control parameters

Indonesia. OELs (Minister of Manpower and Transmigration Regulation No. Per.13/MEN/X/2011 concerning Threshold Limit Values, Annex II)

| Components | Type | Value |
|---------------------|------|-----------------------|
| C.I.P.B 7 No. 77266 | TWA | 3.5 mg/m ³ |

US. ACGIH Threshold Limit Values

| Components | Type | Value | Form |
|---------------------|------|---------------------|---------------------|
| C.I.P.B 7 No. 77266 | TWA | 3 mg/m ³ | Inhalable fraction. |

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

Exposure guidelines Manufacturer recommended exposure limit based on petroleum hydrocarbon at > 90%. TWA = 171ppm (1200 mg/m³).

Appropriate engineering controls Use in a well ventilated area.

Individual protection measures, such as personal protective equipment

Respiratory protection Not available.

Hand protection Not available.

Eye/face protection Not available.

Skin and body protection Not available.

Thermal hazards Not available.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

Empirical data of the substance or mixture

Organoleptic properties (shape, color, etc.) Paste

Physical state Solid.

Form Not available.

Color Grey

Odor mild hydrocarbon-like

Odor threshold Not available.

pH Not available.

Melting point/freezing point Not available.

Initial boiling point and boiling range Not available.

Flash point Not available.

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 - lower (%) Not available.

Explosive limit - upper (%) Not available.

Vapor pressure Not available.

Vapor density Not available.

Solubility(ies)

Solubility (water) Not soluble

Partition coefficient (n-octanol/water) Not available.

Auto-ignition temperature Not available.

Decomposition temperature Not available.

Viscosity Not available.

| | |
|-----------------------------|-----------------|
| Other information | |
| Oxidizing properties | Not applicable. |
| Specific gravity | 0.821 |
| VOC | 635 g/L |

10. Stability and reactivity

| | |
|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity | Not available. |
| Chemical stability | Stable under recommended storage conditions. Azodyes when processed to printing inks, paints and plastics, begin to decompose at 390°F (200°C) and 3, 3'-dichlorobenzidine can also be formed at /above 390°F (200°C). This product is not recommended for applications where this temperature is obtained/ exceeded. |
| Possibility of hazardous reactions | Will not occur. |
| Conditions to avoid | Not available. |
| 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. |

11. Toxicological information

Complete and comprehensive description of the various toxicological / health effects

| | |
|------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Acute toxicity | Based on available data, the classification criteria are not met. |
| 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 | Carbon black is classified as a carcinogen by the IARC (possibly carcinogenic to humans, Group 2B) and by the State of California under Proposition 65. In their evaluations of carbon black, both organizations indicate that exposure to carbon black, per se, does not occur when it remains bound within a product matrix, specifically, rubber, ink, or paint. Carbon black is present only in a bound form in this preparation. |

ACGIH Carcinogens

| | |
|---------------------------------------|------------------------------------------------------------------|
| C.I.P.B 7 No. 77266 (CAS Proprietary) | A3 Confirmed animal carcinogen with unknown relevance to humans. |
|---------------------------------------|------------------------------------------------------------------|

IARC Monographs. Overall Evaluation of Carcinogenicity

| | |
|---------------------------------------|-----------------------------------------------------|
| C.I.P.B 7 No. 77266 (CAS Proprietary) | 2B Possibly carcinogenic to humans. |
| Fluoropolymer resin (CAS 9002-84-0) | 3 Not classifiable as to carcinogenicity to humans. |

| | |
|-----------------------------------------------------------|-----------------|
| Reproductive toxicity | Not classified. |
| Specific target organ toxicity - single exposure | Not classified. |
| Specific target organ toxicity - repeated exposure | Not classified. |
| Aspiration hazard | Not classified. |

Information on likely routes of exposure

| | |
|---------------------|----------------------------------------------------------------------------------------------------------|
| Inhalation | Under normal conditions of intended use, this material is not expected to be an inhalation hazard. |
| Skin contact | Contact with skin may result in mild irritation. |
| Eye contact | Contact with eyes may result in mild irritation. |
| Ingestion | Ingestion is not a likely route of exposure. Health injuries are not known or expected under normal use. |

| | |
|-------------------------------------------------------------------------------------|----------------|
| 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

| Components | Species | Test Results |
|---------------------------------------------|---------------------------------------------------------------------------------------|---------------|
| C.I.P.B 7 No. 77266 | | |
| Acute | | |
| Oral | | |
| LD50 | Rat | > 10000 mg/kg |
| C.I.P.Y. 13 No.21100 (CAS 5102-83-0) | | |
| Acute | | |
| Oral | | |
| LD50 | Rat | >= 5000 mg/kg |
| 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

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

13. Waste disposal

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

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.

Further information Not a dangerous good under DOT, IATA, ADR, IMDG, or RID.

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.

16. Other information

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Version # 03

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

Disclaimer

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Revision 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 |