




# SAFETY DATA SHEET

## 1. Identification of the substance or mixture

|                                                                |                                                                                                                                                                                                                   |  |
|----------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>Important information</b>                                   | *** 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. *** |  |
| <b>Product identifier/name based on GHS</b>                    | HP Indigo Imaging Oil 1Kg*4 for use with HP Indigo Digital Press 4000 series Q4347A                                                                                                                               |  |
| <b>Other means of identification</b>                           |                                                                                                                                                                                                                   |  |
| <b>Synonyms</b>                                                | Part Number Q4347A                                                                                                                                                                                                |  |
| <b>Recommended use of the chemical and restrictions on use</b> |                                                                                                                                                                                                                   |  |
| <b>Recommended use</b>                                         | HP product for use with HP Indigo Digital Presses 4000 series.                                                                                                                                                    |  |
| <b>Recommended restrictions</b>                                | None known.                                                                                                                                                                                                       |  |
| <b>Manufacturer/Importer/Supplier/Distributor information</b>  |                                                                                                                                                                                                                   |  |
| <b>Company identification</b>                                  | PT. Hewlett-Packard Indonesia<br>9th Floor, Jl.Casablanca Kav.88 Prudential Centre<br>Jakarta, Indonesia 12870                                                                                                    |  |
| <b>Telephone</b>                                               | +62-21 5799-1088                                                                                                                                                                                                  |  |
| <b>HP Inc. health effects line</b>                             |                                                                                                                                                                                                                   |  |
| (Toll-free within the US)                                      | 1-800-457-4209                                                                                                                                                                                                    |  |
| (Direct)                                                       | 1-760-710-0048                                                                                                                                                                                                    |  |
| <b>HP Inc. Customer Care Line</b>                              |                                                                                                                                                                                                                   |  |
| (Toll-free within the US)                                      | 1-800-474-6836                                                                                                                                                                                                    |  |
| (Direct)                                                       | 1-208-323-2551                                                                                                                                                                                                    |  |
| <b>Email:</b>                                                  | hpcustomer.inquiries@hp.com                                                                                                                                                                                       |  |

## 2. Hazards identification

|                                                            |                                                                                                                        |            |
|------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|------------|
| <b>Physical hazards</b>                                    | Not classified.                                                                                                        |            |
| <b>Health hazards</b>                                      | Aspiration hazard                                                                                                      | Category 1 |
| <b>Environmental hazards</b>                               | Not classified.                                                                                                        |            |
| <b>Label elements</b>                                      |                                                                                                                        |            |
| <b>Signal word</b>                                         | Danger                                                                                                                 |            |
| <b>Hazard statement</b>                                    | May be fatal if swallowed and enters airways.                                                                          |            |
| <b>Precautionary statement</b>                             |                                                                                                                        |            |
| <b>Prevention</b>                                          | Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Wear personal protective equipment/face protection. |            |
| <b>Response</b>                                            | If swallowed: Rinse mouth. Do NOT induce vomiting. If swallowed: Immediately call a poison center/doctor.              |            |
| <b>Storage</b>                                             | Store locked up.                                                                                                       |            |
| <b>Disposal</b>                                            | Dispose of contents/container in accordance with local/regional/national/international regulations.                    |            |
| <b>Pictograms (hazard symbols)</b>                         |                                     |            |
| <b>Other hazards which do not result in classification</b> | None known.                                                                                                            |            |
| <b>Supplemental information</b>                            | None.                                                                                                                  |            |

## 3. Composition / information on ingredients

|                             |         |
|-----------------------------|---------|
| <b>Substance or mixture</b> | Mixture |
|-----------------------------|---------|

## Chemical property

| Chemical name                 | CAS Number | Concentration (%) |
|-------------------------------|------------|-------------------|
| Petroleum hydrocarbon         | 90622-58-5 | <100              |
| Refined Petroleum Hydrocarbon | 8042-47-5  | <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. Immediately take off all contaminated clothing. Wash clothing separately before reuse. Get medical attention if irritation develops or persists. |
| <b>Eye contact</b>  | Do not rub eyes. Flush eyes immediately with large amounts of water. 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.                                                         |

### Most important symptoms/effects, acute and delayed

Not available.

### Indication of immediate medical attention and special treatment needed

Not available.

## 5. Fire-fighting measures

|                                                                      |                                                                                                                  |
|----------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| <b>Suitable extinguishing media</b>                                  | Suitable extinguishing media: Dry chemical, CO <sub>2</sub> , water spray or regular foam.                       |
| <b>Unsuitable extinguishing media</b>                                | None known.                                                                                                      |
| <b>Specific hazards arising from the chemical</b>                    | Refer to section 10.                                                                                             |
| <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.                                                                                                   |
| <b>Specific methods</b>                                              | Move container from fire area if it can be done without risk. Evacuate area and fight fire from a safe distance. |

## 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>Technical measures</b>            | Handle in accordance with good industrial hygiene and safety practice. Avoid prolonged or repeated contact with skin.                                                                                                                                               |
| <b>Local and general ventilation</b> | Provide good ventilation.                                                                                                                                                                                                                                           |
| <b>Safe handling advice</b>          | Avoid prolonged or repeated skin contact with this material. Avoid contact with skin, eyes and clothing. Keep away from open flames, hot surfaces and sources of ignition. Do not reuse the empty container. Take precautionary measures against static discharges. |
| <b>Precautions for safe handling</b> | Take precautionary measures against static discharges. Do not re-use empty containers. Keep away from heat, sparks and open flame.                                                                                                                                  |

### Conditions for safe storage

|                                    |                                                                                                                                                                |
|------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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. Store in a cool, dry place out of direct sunlight. Protect against direct sunlight. |
| <b>Any incompatibilities</b>       | Not available.                                                                                                                                                 |

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## 8. Exposure controls/personal protection

### Control parameters

#### ACGIH

#### Components

#### Type

#### Value

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|                                               |     |         |
|-----------------------------------------------|-----|---------|
| Refined Petroleum Hydrocarbon (CAS 8042-47-5) | TWA | 5 mg/m3 |
|-----------------------------------------------|-----|---------|

### Biological limit values

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

### Exposure guidelines

Manufacturer recommended exposure limit based on petroleum hydrocarbon at > 95%. 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 | Chemical resistant gloves. |
| Thermal hazards          | Not available.             |

### General hygiene considerations

Handle in accordance with good industrial hygiene and safety practice.

Use personal protective equipment to minimize exposure to skin and eye.

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## 9. Physical and chemical properties

### Empirical data of the substance or mixture

#### Organoleptic properties (shape, color, etc.)

clear liquid

#### Physical state

Liquid.

#### Form

Liquid.

#### Color

Colorless.

#### Odor

mild hydrocarbon-like

#### Odor threshold

Not available.

#### pH

Not available.

#### Melting point/freezing point

Not available.

#### Initial boiling point and boiling range

370.4 °F (188 °C) (based on petroleum hydrocarbon)

#### Flash point

147.2 °F (64.0 °C) Pensky-Martens Closed Cup (based on Petroleum Hydrocarbon)

#### 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.

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|                  |                           |
|------------------|---------------------------|
| Specific gravity | 0.771                     |
| VOC              | 765 g/L (6.38 lbs/gal.US) |

## 10. Stability and reactivity

|                                    |                                                                                                                  |
|------------------------------------|------------------------------------------------------------------------------------------------------------------|
| Reactivity                         | Not available.                                                                                                   |
| Chemical stability                 | Stable under recommended storage conditions.                                                                     |
| 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                                     | Harmful if swallowed.                                  |
| Skin corrosion/irritation                          | Not classified.                                        |
| Serious eye damage/eye irritation                  | Not classified.                                        |
| Respiratory or skin sensitization                  |                                                        |
| Respiratory sensitization                          | Not classified.                                        |
| Skin sensitization                                 | Mildly irritating to the skin with prolonged exposure. |
| Germ cell mutagenicity                             | Not classified.                                        |
| Carcinogenicity                                    | Not classified.                                        |
| Reproductive toxicity                              | Not classified.                                        |
| Specific target organ toxicity - single exposure   | Not classified.                                        |
| Specific target organ toxicity - repeated exposure | Not classified.                                        |
| Aspiration hazard                                  | May be harmful if swallowed and enters airways.        |

### 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  |
|-----------------------------------------------|---------|---------------|
| Refined Petroleum Hydrocarbon (CAS 8042-47-5) |         |               |
| <b>Acute</b>                                  |         |               |
| <b>Dermal</b>                                 |         |               |
| LD50                                          | Rat     | >= 5000 mg/kg |
| <b>Oral</b>                                   |         |               |
| LD50                                          | Rat     | >= 5000 mg/kg |

**Interactive effects** Not available.

**Mixture versus substance information** Not available.

**Other information** No data is available on the product itself.

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## 12. Ecological information

|                                      |                                                                                                                                                              |
|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Ecotoxicity</b>                   | Information given is based on data on the components and the ecotoxicology of similar products. This material is not expected to be harmful to aquatic life. |
| <b>Persistence and degradability</b> | Expected to be ultimately biodegradable                                                                                                                      |
| <b>Bioaccumulative potential</b>     | Not available.                                                                                                                                               |
| <b>Mobility in soil</b>              | Not available.                                                                                                                                               |
| <b>Other adverse effects</b>         | Not available.                                                                                                                                               |

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## 13. Waste disposal

|                                              |                                                                                                                                                                                                                                                                                                                      |
|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Methods of disposal</b>                   | Not available.                                                                                                                                                                                                                                                                                                       |
| <b>Local disposal regulations</b>            | Do not dispose of together with general office waste. Do not allow this material to drain into sewers/water supplies.<br><br>Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations. Ensure collection and disposal with an appropriately licensed waste contractor. |
| <b>Waste from residues / unused products</b> | Not available.                                                                                                                                                                                                                                                                                                       |
| <b>Contaminated packaging</b>                | Not available.                                                                                                                                                                                                                                                                                                       |

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## 14. Transport information

### DOT

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

### IATA

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

### IMDG

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

### ADR

|                                     |                |
|-------------------------------------|----------------|
| <b>UN number</b>                    | Not available. |
| <b>UN proper shipping name</b>      | Not Regulated. |
| <b>Transport hazard class(es)</b>   |                |
| <b>Class</b>                        | Not available. |
| <b>Subsidiary risk</b>              | -              |
| <b>Hazard No. (ADR)</b>             | Not available. |
| <b>Tunnel restriction code</b>      | Not available. |
| <b>Packing group</b>                | Not available. |
| <b>Environmental hazards</b>        | No.            |
| <b>Special precautions for user</b> | 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** 27-Dec-2018**Revision date** 14-Oct-2020**Version #** 06**References and sources for data used to compile the SDS** Not available.**Disclaimer**

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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                                          |