



# 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 for use with HP Indigo Digital Press series WS6000 and 7000 Q4321A	
<b>Other means of identification</b>		
<b>Synonyms</b>	Part Number Q4321A	
<b>Recommended use of the chemical and restrictions on use</b>		
<b>Recommended use</b>	HP product for use with HP Indigo Digital Presses 7000, WS6000.	
<b>Recommended restrictions</b>	None known.	
<b>Manufacturer/Importer/Supplier/Distributor information</b>		
<b>Company identification</b>	PT. Hewlett-Packard Indonesia 9th Floor, Jl.Casablanca Kav.88 Prudential Centre 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	
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<b>HP Inc. Customer Care Line</b>		
(Toll-free within the US)	1-800-474-6836	
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<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
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## Chemical property

Chemical name	CAS Number	Concentration (%)
Petroleum hydrocarbon	90622-58-5	<100
Refined Petroleum Hydrocarbon	8042-47-5	<1

## 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. 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.

**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>	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>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
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	760 g/L (6.34 lbs/gal.US) (Calculated)

## 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

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.

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## 13. Waste disposal

Methods of disposal	Not available.
Local disposal regulations	Do not dispose of together with general office waste. Do not allow this material to drain into sewers/water supplies.  Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations. Ensure collection and disposal with an appropriately licensed waste contractor.
Waste from residues / unused products	Not available.
Contaminated packaging	Do not re-use empty containers. Empty containers should be taken to an approved waste handling site for recycling or disposal.

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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** 25-Dec-2018**Revision date** 07-Oct-2020**Version #** 04**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