



# 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 Priming Solution for Uncoated Substrates for use with HP Indigo Digital Press W7200 Q4325A
<b>Other means of identification</b>	
<b>Synonyms</b>	Part Number Q4325A
<b>Recommended use of the chemical and restrictions on use</b>	
<b>Recommended use</b>	HP product for use with HP Indigo Digital Presses W7200.
<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
(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>	Not classified.	
<b>Environmental hazards</b>	Hazardous to the aquatic environment, long-term hazard	Category 3
<b>Label elements</b>		
<b>Signal word</b>	None.	
<b>Hazard statement</b>	Harmful to aquatic life with long lasting effects.	
<b>Precautionary statement</b>		
<b>Prevention</b>	Avoid release to the environment.	
<b>Response</b>	Not available.	
<b>Storage</b>	Keep container tightly closed.	
<b>Disposal</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.	
<b>Pictograms (hazard symbols)</b>	None.	
<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		
<b>Chemical property</b>			
<b>Chemical name</b>		<b>CAS Number</b>	<b>Concentration (%)</b>
Distilled Water			<100
Polyethyleneimine		mixture	<10

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## 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>	Rinse mouth with water. Drink one to two glasses of water. 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.

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## 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.

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## 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.

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## 7. Handling and storage

### Preventative measures for safe handling

<b>Technical measures</b>	Avoid prolonged or repeated contact with skin.
<b>Local and general ventilation</b>	Provide good ventilation.
<b>Safe handling advice</b>	Avoid contact with eyes and prolonged skin contact. Wear appropriate personal protective equipment.
<b>Precautions for safe handling</b>	Do not re-use empty containers. Keep container closed.
<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.

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## 8. Exposure controls/personal protection

<b>Control parameters</b>	No exposure limits noted for ingredient(s).
<b>Biological limit values</b>	No biological exposure limits noted for the ingredient(s).
<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>	aqueous solution
<b>Physical state</b>	Liquid.
<b>Form</b>	Not available.
<b>Color</b>	Not available.
<b>Odor</b>	Odorless
<b>Odor threshold</b>	Not available.
<b>pH</b>	13 (undiluted)
<b>Melting point/freezing point</b>	Not applicable
<b>Initial boiling point and boiling range</b>	Not applicable
<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>	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>Softening point</b>	Not applicable
<b>Specific gravity</b>	1.007 (20 °C)
<b>VOC</b>	0 g/L

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## 10. Stability and reactivity

<b>Reactivity</b>	Not available.
<b>Chemical stability</b>	Stable under normal storage conditions.
<b>Possibility of hazardous reactions</b>	Will not occur.
<b>Conditions to avoid</b>	Not available.
<b>Incompatible materials</b>	Not available.
<b>Hazardous decomposition products</b>	none under normal use

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## 11. Toxicological information

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

#### Acute toxicity

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Material name: Q4325A

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<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.
<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>	Contact with skin may result in mild irritation.
<b>Eye contact</b>	Contact with eyes may result in mild irritation.
<b>Ingestion</b>	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
Polyethyleneimine		
<b>Acute</b>		
<b>Oral</b>		
LD50	Rat	500 - 2000 mg/kg

**Interactive effects** Not available.

**Mixture versus substance information** Not available.

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

## 12. Ecological information

#### Ecotoxicity

Components	Species	Test Results
Polyethyleneimine		
<b>Aquatic</b>		
Crustacea	EC50 Daphnia	8.84, 48 Hours
Fish	LC50 Fish	7.1 mg/l, 96 Hours

**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	Empty containers should be taken for local recycling, recovery or waste disposal.

## 14. Transport information

<b>DOT</b>	
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.
<b>IATA</b>	
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.
<b>IMDG</b>	
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.
<b>ADR</b>	
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

### 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** 29-Jan-2019

**Revision date** 13-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