



SAFETY DATA SHEET

1. Chemical product and company identification

Product name HP Indigo ElectroInk Calibration Tube Green for use with HP Indigo Digital Presses 10000, 20000 and 30000
Q4230A

Other identification
Synonyms Part Number Q4230A

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

Recommended use and Limitations on use

Recommended use Printing ink for use with HP Indigo Digital Presses 10000, 20000 and 30000.

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	<15
C.I.P.G. 7 No.74260	1328-53-6	<7.5
Fluoropolymer resin	9002-84-0	<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	Green
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
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	650 g/l (5.44 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.

Components	Species	Test Results
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C.I.P.G. 7 No.74260 (CAS 1328-53-6)

Acute

Oral

LD50

Rat

>= 5000 mg/kg

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.

Ecotoxicological data

Components	Species	Test Results
C.I.P.G. 7 No.74260 (CAS 1328-53-6)		
Aquatic		
Fish	LC50 Fish	752.4 mg/l, 96 Hours
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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Issue date

23-Feb-2019

Revision date

25-Nov-2019

References and sources for data used to compile the SDS

Not available.

Revision information

1. Product and Company Identification: Product and Company Identification

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