



SAFETY DATA SHEET

1. Chemical product and company identification

Product name HP Color LaserJet Q3964A Imaging Drum Cartridge
Company identification PT. Hewlett-Packard Indonesia
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Recommended use and Limitations on use

Recommended use This product is an imaging drum that is used in HP Color LaserJet 2550/2820/2840 series printers.

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.

Other hazards None of the ingredients have been classified as carcinogens according to EU, IARC, MAK, NTP, OSHA or ACGIH.

Supplemental information None.

3. Composition / information on ingredients

Substance or mixture Mixture

Chemical property

Chemical name	CAS Number	Concentration (%)
Aluminum alloy	Trade Secret	<98
Aluminum alloy		
Aryl amine derivative	Trade secret	<1
Aryl amine derivative		
Polyester resin	Trade Secret	<1
Polyester resin		
Titanium dioxide	13463-67-7	<1

4. First aid measures

First aid measures for different exposure routes

Inhalation	Not applicable.
Skin contact	In case of irritation, wash with soap and water.
Eye contact	Not applicable.
Ingestion	Not applicable.

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 CO2, water, dry chemical, or foam

Extinguishing media to avoid None known.

Specific hazards Like most organic material in powder form, toner can form explosive dust-air mixtures when finely dispersed in air.

Special fire fighting procedures If fire occurs in the printer, treat as an electrical fire.

Protection of fire-fighters Not specified.

Specific methods None established.

6. Accidental release measures

Personal precautions Not applicable.

Environmental precautions See also section 13 Disposal considerations.

Spill clean-up methods Slowly vacuum or sweep the material into a bag or other sealed container. Clean remainder with a damp cloth or vacuum cleaner. If a vacuum is used, the motor must be rated as dust explosion-proof. Fine powder can form explosive dust-air mixtures. Dispose of in compliance with federal, state, and local regulations.

7. Handling and storage

Handling

Precautions Not available.

Safe handling advice Not available.

Storage

Suitable storage conditions Not available.

Incompatible materials Not available.

8. Exposure controls/personal protection

Exposure limits

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

Components	Type	Value
Titanium dioxide (CAS 13463-67-7)	TWA	10 mg/m3

Occupational exposure limits

US. ACGIH Threshold Limit Values

Components	Type	Value
Titanium dioxide (CAS 13463-67-7)	TWA	10 mg/m3

Exposure guidelines None established.

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 Not available.

9. Physical and chemical properties

Appearance	Viridian aluminum cylinder
Physical state	Not available.
Form	solid
Color	Not available.
Odor	Odorless
Odor threshold	Not available.
pH	Not applicable
Melting point/freezing point	Not available.
Boiling point, initial boiling point, and boiling range	Not applicable
Flash point	Not applicable
Auto-ignition temperature	Not applicable
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not flammable
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not applicable
Vapor density	Not applicable
Evaporation rate	Not applicable
Solubility(ies)	
Solubility (water)	Negligible. Partially soluble in ketones, esters, and aromatic solvents.
Partition coefficient (n-octanol/water)	Not available.
Decomposition temperature	Not available.
Viscosity	Not applicable
Other data	
Oxidizing properties	No information available.

10. Stability and reactivity

Reactivity	Not available.
Stability	Stable under normal storage conditions.
Conditions to avoid	Imaging Drum: Exposure to light
Incompatible materials	Strong oxidizers
Hazardous decomposition products	No decomposition if stored normally.
Possibility of hazardous reactions	Will not occur.

11. Toxicological information

Acute toxicity	Not available.
Routes of exposure	Not available.
Symptoms	Not available.
Skin corrosion/irritation	Not available.
Serious eye damage/eye irritation	Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU Directive 67/548/EEC and as amended.
Respiratory or skin sensitization	
Respiratory sensitization	Not available.
Skin sensitization	Not classified as irritant, according to OSHA Hazard Communication Standard (HCS) and EU Directive 67/548/EEC and as amended.
Germ cell mutagenicity	Negative, does not indicate mutagenic potential (Ames Test: Salmonella typhimurium)
Carcinogenicity	Not a known or suspected carcinogen according to any IARC Monograph, NTP, OSHA Regulations (USA), EU Directive, or Proposition 65 (California).

Toxic to reproduction	Not classified as toxic according to EU Directive 67/548/EEC and as amended, California Prop. 65, and DFG (Germany).
Specific target organ toxicity - single exposure	Not available.
Specific target organ toxicity - repeated exposure	Not available.
Aspiration hazard	Not available.
Chronic effects	No information 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

Ecotoxicity	Not available.
Persistence and degradability	Not available.
Bioaccumulation	Not available.
Mobility in soil	Not available.
Other hazardous effects	This product has not been tested for ecological effects.

13. Disposal considerations

Disposal methods/information	Not available.
Local disposal regulations	Do not shred toner cartridge, unless dust-explosion prevention measures are taken. Finely dispersed particles may form explosive mixtures in air. Dispose of in compliance with federal, state, and local regulations. HP's Planet Partners (trademark) supplies recycling program enables simple, convenient recycling of HP original inkjet and LaserJet supplies. For more information and to determine if this service is available in your location, please visit http://www.hp.com/recycle .

14. Transport information

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

16. Other information

Issued by	
Company name	HP Inc.
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Revision information	<p>1. Product and Company Identification: Product and Company Identification Fire-fighting measures: Specific hazards Accidental release measures: Spill clean-up methods Other information: Disclaimer</p>
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