



SAFETY DATA SHEET

1. Product and company identification

Product name HP Color LaserJet Q3964A Imaging Drum Cartridge
Company identification HP New Zealand
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(Direct) 1-760-710-0048

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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

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

4. First aid measures

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

HAZCHEM Code Number None.

Specific hazards during fire fighting 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 available.

Hazards from combustion products Combustion will produce carbon dioxide, carbon monoxide, and nitrogen oxides.

Specific methods None established.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures Not applicable.

Environmental precautions See also section 13 Disposal considerations.

Spill cleanup 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.

Prevention of fire and explosion Not available.

Storage

Suitable storage conditions Keep out of the reach of children. Store at room temperature. Keep at temperatures below 45°C. Store away from strong oxidizers. Keep tightly closed and dry.

Incompatible materials Not available.

8. Exposure controls/personal protection

Exposure limits

New Zealand. WES. (Workplace Exposure Standards)

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

US. ACGIH Threshold Limit Values

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

UK. EH40 Workplace Exposure Limits (WELs)

Components	Type	Value	Form
Titanium dioxide (CAS 13463-67-7)	TWA	4 mg/m3	Respirable.
		10 mg/m3	Inhalable

Australia. National Workplace OELs (Workplace Exposure Standards for Airborne Contaminants, Appendix A)

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

Australia. OELs. (Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment)

Components	Type	Value	Form
Titanium dioxide (CAS 13463-67-7)	TWA	10 mg/m3	Inspirable dust.
Biological limit values	No biological exposure limits noted for the ingredient(s).		
Exposure guidelines	None established.		
Engineering controls	Use in a well ventilated area.		
Personal protective equipment			
Respiratory protection	Not available.		
Skin protection	Not available.		
Eye/face protection	Not available.		
Radioactive or thermal hazards	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.
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

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.
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Information on likely routes of exposure

Ingestion	Ingestion is not a likely route 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.
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.
Skin sensitizer	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).
Chronic effects	No information available.
Relevant negative data	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.
Partition coefficient n-octanol/water (log Kow)	Not available.
Bioconcentration factor (BCF)	Not available.
Mobility	Not available.
Other hazardous effects	This product has not been tested for ecological effects.

13. Disposal considerations

Disposal methods/information	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 .
Special precautions	Not available.

14. Transport information

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

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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16. Other information

References	Not available.
Issued by	Not available.
Prepared by	Not available.

Disclaimer

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Issue date

25-Oct-2016

Revision date

26-Oct-2018

Revision information

1. Product and Company Identification: Product and Company Identification
Fire-fighting measures: Specific hazards during fire fighting
Accidental release measures: Spill cleanup methods
Other information: Disclaimer

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