# SAFETY DATA SHEET

## 1. Product and company identification

**Product name** HP Color LaserJet C4152A Yellow Print Cartridge

**Company identification** HP New Zealand
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Auckland
New Zealand 1010

**Telephone** +64 9918 9134

**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** This product is a yellow toner preparation that is used in HP Color LaserJet 8500/8550/8550mfp 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** This preparation contains no component classified as Persistent, Bioaccumulative, and Toxic (PBT) or very Persistent and very Bioaccumulative (vPvB) as defined under Regulation (EC) 1907/2006.

**Supplemental information** None.

## 3. Composition/information on ingredients

**Substance or mixture** Mixture

| Chemical property | | CAS Number | Concentration (%) |
|---|---|---|---|
| Styrene acrylate copolymer | | Trade Secret | <80 |
| Wax | Wax | Trade Secret | <15 |
| Pigment | Pigment | Trade Secret | <10 |
| Polyester resin | Polyester resin | Trade Secret | <10 |
| Titanium dioxide | | 13463-67-7 | <1 |

## 4. First aid measures

**Inhalation** Move person to fresh air immediately. If irritation persists, consult a physician.

| | |
|---|---|
| **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, consult a physician. |
| **Ingestion** | Rinse mouth out with water. Drink one to two glasses of water. If symptoms occur, consult a physician. |
| **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, or dry chemical |
| **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** | Carbon monoxide and carbon dioxide. |
| **Specific methods** | None established. |

## 6. Accidental release measures

| | |
|---|---|
| **Personal precautions, protective equipment and emergency procedures** | Minimize dust generation and accumulation. |
| **Environmental precautions** | Do not flush into surface water or sanitary sewer system. 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 tightly closed and dry. Store away from strong oxidizers. |
| **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** , 5 mg/m3 (Respirable Fraction)

, 3 mg/m3 (Respirable Particulate)

TRGS 900 (Luftgrenzwert) - 10 mg/m3 (Einatembare partikel), 3 mg/m3 (Alveolengängige fraktion)

**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** Fine powder

**Physical state** Solid.

**Form** solid

**Color** Yellow

**Odor** Slight plastic odor

**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 in water. Partially soluble in toluene and xylene.

**Partition coefficient (n-octanol/water)** Not available.

**Decomposition temperature** Not available.

**Viscosity** Not applicable

**Softening point** 212 - 302 °F (100 - 150 °C)
212 - 302 °F (100 - 150 °C)

**Percent volatile** 0 % estimated

**Other data**

**Oxidizing properties** No information available.

## 10. Stability and reactivity

| | |
|---|---|
| **Stability** | Stable under normal storage conditions. |
| **Conditions to avoid** | None. |
| **Incompatible materials** | Strong oxidizers |
| **Hazardous decomposition products** | Carbon monoxide and carbon dioxide. |
| **Possibility of hazardous reactions** | Will not occur. |

## 11. Toxicological information

**Acute toxicity** Not available.

**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** | Titanium dioxide is classified by the IARC as a Group 2B carcinogen (the substance is possibly carcinogenic to humans). The IARC classification was based on high concentrations of titanium dioxide particles in animal lungs. Under intended use of this toner product, exposure to titanium dioxide is much lower.<br><br>None of the other ingredients in this preparation are classified as carcinogens according to ACGIH, EU, IARC, MAK, NTP or OSHA. |

**IARC Monographs. Overall Evaluation of Carcinogenicity**

| | |
|---|---|
| Titanium dioxide (CAS 13463-67-7) | 2B Possibly carcinogenic to humans. |

| | |
|---|---|
| **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<br>Refer to Section 2 for potential health effects and Section 4 for first aid measures. |

## 12. Ecological information

**Ecotoxicological data**

| Product | | Species | Test Results |
|---|---|---|---|
| C4152A | | | |
| **Aquatic** | | | |
| Fish | LL50 | Fish | > 1000 mg/l, 96 Hours |

| | |
|---|---|
| **Ecotoxicity** | LL50: > 1000 mg/l, Fish, 96.00 Hours |
| **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** | Not available. |

## 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.

## 15. Regulatory information

**Applicable regulations**

**New Zealand Inventory of Chemicals (NZIoC): Registration status**

| | |
|---|---|
| Titanium dioxide (CAS 13463-67-7) | May be used as a single component chemical under an appropriate group standard |

**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.

## 16. Other information

**References**

Not available.

**Issued by**

Not available.

**Prepared by**

Not available.

**Disclaimer**

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**Issue date**

29-Oct-2016

**Revision date**

19-Dec-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
Toxicological information: Eye contact
Toxicological information: Ingestion
Toxicological information: Inhalation
Toxicological information: Skin contact
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 |